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VAUGHAN'S SEEDS

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NOS. 31-33 W. RANDOLPH ST

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PARTIAL VIEW OF OUR OFFICE AND NURSERY GROUNDS AT WESTERN SPRINGS

Suggestions to Customers in Ordering from this Catalogue

A reading of the following will prove an aid to you and to us;

Early Orders: Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

How to Order: ***Write your name,*** postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyer's risk.

Use Order Sheets: The use of our order sheets enclosed in this catalogue is a great help to us in facilitating filling and shipment of orders. One order sheet is for seeds and bulbs, the other for plants, shrubs and trees. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same.

Vegetable Seed orders should plainly state quantity before the name of the variety.

Flower Seeds may be ordered by number, always giving quantity.

Plant orders should give ***quantity, variety*** and ***size.***

Keep a Copy of your Order: Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

Mistakes: These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Orders are Promptly Filled: Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, a long delay is often saved in tracing.

Plant, Tree and Small Fruit Orders Must Amount to $1. We cannot afford to fill orders of less amount than one dollar, unless in addition to the amount for plants wanted, ten cents is sent ***This Does Not Apply to Seed Orders.***

Freight or Express: All express lines in the United States and Canada carry seeds and plants at the special reduced rate of 20 per cent less than general merchandise rates. On moderate sized orders we advise express shipment rather than freight.

Our Terms: Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose ¼ of the amount in remittance with order.

How to Send Money: Send cash with order (as we do not open book accounts for small amounts, and can only send to the value of money received), by New York or Chicago Draft, Registered Letters, or Post-office or Express Money Order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves. Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned. See below.

We wish it understood that all our seeds sold under the following general non-warranty:

We do not warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

CHICAGO
31-33 W. Randolph St.

VAUGHAN'S SEED STORE

NEW YORK
43 Barclay Street

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

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VAUGHAN'S SEED STORE
CHICAGO-NEW YORK

EVERYONE in Chicago and Suburbs interested in Seeds or Plants, knows Vaughan's Seed Store and its record and capacity. For two generations it has been the one great Seed Store in Chicago and has become one of the city's famous shopping places. We who have built up the business are proud of it, and it is a satisfaction to us that visitors interested in horticulture deem a call at Vaughan's Seed Store and Greenhouses an indispensable part of their visit here. To have acquired this reputation we deem well worth while and a matter of pride to us and to flower and plant loving people of Chicago. We are offering to all our friends and readers both in the United States and abroad

ALL THERE IS OF GROWING THINGS

And also all the tools, insecticides, fertilizers, and the like, that are necessary in gardening operations.

Our own growing operations are extensive and cover the horticultural field more thoroughly perhaps than any other American firm. Our own Nursery, Greenhouses, Trial Grounds and Farms in Michigan and Illinois keep us in direct touch with all the practical questions which come before our customers. We can thus advise and counsel in a way no mere merchant or less experienced organization can. Where we do not actually grow our own seeds, plants or bulbs, our contracts are made based on our experience of thirty-seven years with growers whose reliability we have verified time and again by inspections and trials, and in many cases our specialties are grown exclusively for us from our own stock seeds, bulbs and plants, and the entire crops are directly under our control.

Of no other firm can you ask, as of us, for any and all seeds and plants for the field, nursery, garden or hothouse, and the Vaughan name and reputation backs their quality.

We send one of our firm abroad annually. This year Mr. J. C. Vaughan spent three months in England, France, Germany and Holland, visiting plantsmen and seed merchants, inspecting stocks, many of them specially grown for us by contract, and securing for us many particularly desirable novelties which we offer you here in these pages for the first time in America; some of them our exclusive property.

We may mention two classes of plants in which notable advances have recently been made and in which our firm occupies a foremost position: CANNAS, of our introduction to America, Florence Vaughan, King Humbert, Egandale, and this year's sensation FIRE BIRD. In GLADIOLUS, Princeps, Mrs. Francis King and Margaret. In both Vegetable and FlowerSeeds will be found in these pages equally notable advances.

VAUGHAN'S SEED STORE

Chicago *New York*

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VAUGHAN'S Vegetable Seed Novelties and Specialties for 1914

ON OUR specialty pages we call particular attention to new varieties, or improved strains of old varieties, which we list for the first time.

NEW STRINGLESS REFUGEE GREEN POD BEAN

This is an improvement on the old Refugee 1000 to 1; almost exactly similar in season and productiveness. It is moreover absolutely free from the strings and toughness to be found in the older variety. In season Stringless Refugee is a main crop variety, very prolific, and hence a most desirable addition to the Bean List. Especially valuable for the Market Gardener supplying a quality trade. The bean pods are very fleshy, tender, brittle and over five inches in length. They are a beautiful light green color, which they retain when canned; this latter quality making them the most desirable of all green pod beans for packing purposes.

Pkt. 10c, pt. 20c (by mail 28c), qt. 35c (by mail 50c), pk. $2.25, bu. $8.00.

VAUGHAN'S MONSTER STRINGLESS WAX

We regret to announce, that due to the unfavorable harvest conditions of crop of 1912, we lost considerable of our seed stock of Monster Stringless Wax, and for this reason we are not able to offer it the present season. We expect to put in a large acreage the coming year, and hope to be able to supply the demand in 1915; a demand which we have been unable to fill each year heretofore for this largest and highest quality Wax Bean.

MICHIGAN WHITE WAX

Michigan White Wax

A splendid new early wax variety of the Dwarf Golden Wax Type. While quite similar in general appearance to the Golden Wax, Michigan Wax has the following points of superiority: The seed is clear white, so in cooking as string beans, the pods keep their rich buttery look without the discoloration caused by colored seed, the vines are more vigorous and a little taller than the older sort; the pods average a little larger, are more uniform in size and are produced in greater numbers, while at the same time the peculiar meaty and distinctive high eating quality of the Golden Wax is retained.

Pkt. 10c, pt. 25c (by mail 33c), qt. 40c (by mail 55c), ½ pk. $1.40, pk. $2.50.

NEW POLE BEANS

KENTUCKY WONDER WAX

This bean we consider the best pole wax sort for Northern Planting. Its habit of growth is similar to that of the older Kentucky Wonder Green Pod, and bears equally as early, beginning when scarcely higher than the average bush bean. The pods are beautiful golden yellow, and so fleshy that they often are greater in thickness than in width. When cooked they have a most delicious rich flavor and are entirely stringless.

Pkt. 10c, pt. 25c (by mail 33c), qt. 40c (by mail 55c), ½ pk. $1.40, pk. $2.50.

PHENOMENON

Green Pod—The pods of this remarkable new German sort are very long, dark green in color and of excellent flavor. The pods are produced in prodigious quantities, surpassing any other Pole Bean. The seeds are white; season early.

Pkt. 10c, 3 for 25c.

FILL BASKET

A new German, Green-podded Pole Bean with pods of immense size—superior quality and extremely productive.

Pkt. 10c, 3 for 25c.

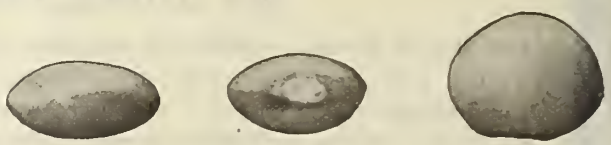
Chicago Giant Self Blanching Celery

New Stringless Refugee Green Pod Bean

FORDHOOK BUSH LIMA BEAN

This is a great improvement on the Dreer Bush or Potato Bush Lima Bean. In habit of growth this new variety is stiffly erect. The older Dreer or Kummerle grew low and spready and the pods, thus coming in contact with the ground, often become discolored. This Fordhook is early in season, the pods are double the size of the Kummerle Bush Lima and contain four or five large beans, which are thicker and larger than the old sort. The color of the bean is a handsome green, and quality tender, juicy and sweet, a great contrast to the dry, mealy bean of the older variety.

Pkt. 10c, pt. 30c (by mail 38c), qt. 50c (by mail 65c), ½ pk. $1.75, pk. $3.25



Fordhook Bush Lima

CHICAGO GIANT SELF-BLANCHING CELERY

Superior to All other Extra Early White Celeries. Can be sown in February and marketed by July 1st, and for early fall use has no superior.

This is a real business builder for the Market Gardeners, for the reason that it is a luxury in the early season of the year. It is the whitest early celery, it is crisp, tender, brittle, very sweet and has a delicious nutty flavor that is superior to any other on the market. In growth Chicago Giant is extremely vigorous, so much so that it has a tendency to throw a small percentage of off-plants. To hold it uniform we are sparing no expense.

Pkt. 10c, ½ oz. 20c, oz. 35c.

CABBAGE—DANISH RED STONEHEAD

A very hard-heading late red cabbage. The color is a deep intense red—a cross section through the cabbage shows very little white. The heads are round and ball-shaped, very compact, and keep well into the winter—a very profitable sort in all sections where the Danish White Cabbage like Ballhead do well.

Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. $1.50.

NEW CARROT—LONDON MARKET

This delicious carrot has been bred particularly for quality, surpassing in this regard even the famous Nantes. Deep color in carrots has long been associated with quality and London Market has a depth in color hitherto not seen in any other variety. In size and shape it resembles the Danvers. The flesh is solid, crisp and tender and without the usual pithy heart found in large growing sorts.

Pkt. 10c, oz. 20c, ¼ lb. 50c.

DUTCH WINTER OR HOLLANDER DANISH GROWN

Stock Seed. The value of careful and scientific seed breeding nowhere shows to more advantage than in growing cabbage. A small amount of seed produces enough plants for the setting out of a large acreage. The seed cost thus is of minor importance, in view of the relative values of seed and crop.

Some years ago we made arrangements with a celebrated Danish Cabbage Seed Grower to raise for us a quantity of Stock Seed of the Dutch Winter or Hollander (Short Stem). For a certain price he agreed to rogue or cull his seed cabbages until each plant was just like another—in other words, to grow for us in quantity just such a quality of seed as he, as a grower, would use for stock seed. Needless to say, this strain is now being grown exclusively for Vaughan's Seed Store. For a variety description, see page 24.

Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., $1.15; lb., $1.10.

DUTCH WINTER OR HOLLANDER
Note Poles Marking Stock Seed Heads

COPENHAGEN MARKET CABBAGE—The Best Early Flat Head Sown

COPENHAGEN MARKET

The illustration above is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round or flat-headed sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shape and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. The entire crop can be harvested at one time and thus clear the field for other crops. In quality is exceptionally good; earliness, ripening at one time, compact growth, large heads and high quality are features which have made this cabbage a standard in three years' time. A trade holder and a high money maker for the market gardener.

Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., $1.25; lb., $4.10.

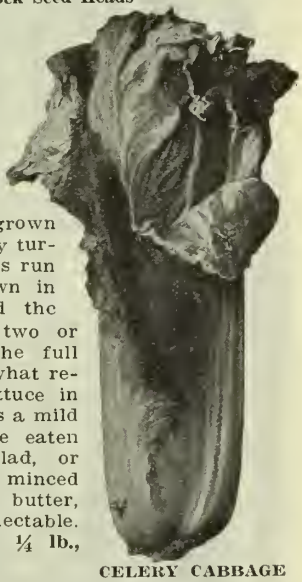
VAUGHAN'S BLACK DIAMOND CABBAGE

Second early, hard heading, black-red cabbage — and the best. Medium size with only two outer leaves; it has the hard-head keeping qualities of the "Glory of Enkhousen," a like sort in white cabbage. Having few outer leaves, permits close planting, a great advantage as well for economy and the compactness of your garden. Excellence of quality is its strong recommendation, in Europe where this variety originated, it is popular for the reason that its flavor, combined with its earliness and keeping qualities, makes it the most salable and profitable red cabbage for market use. Highly desirable for the house or market garden.

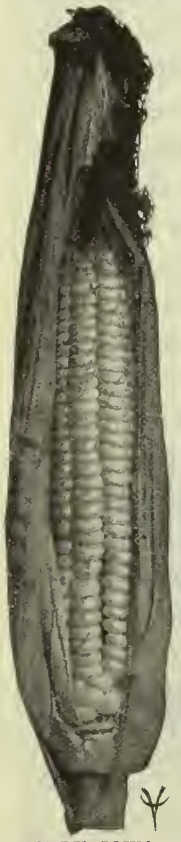
Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

CELERY, OR CHINESE CABBAGE

Pe-Tsai—Improved Chinese Cabbage—has been offered on the vegetable market this year with considerable success. The vegetable is new to the public, although old to horticulturalists. It should be grown like a late cabbage, planting in July turnip planting time, as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.**



CELERY CABBAGE



EARLY IOWA

MALAKOFF SWEET CORN

The earliest real Sweet Corn. The ears are small, but under general conditions there is no variety as early. Quality excellent; grown on our Michigan Farm. Pkt., 10c; pt., 15c (by mail, 20c); qt., 30c (by mail, 40c); by express, 2 qts., 50c; 4 qts., 85c; pk., $1.50.

EARLY IOWA

This variety produces, under middle west conditions, the earliest Sweet Corn with ears of marketable size—a week earlier than Red or White Cory. The illustration shows evenness of kernels. Size equal to Cory, quality superior. The ears are eight-rowed, usually two to a plant. The stalks are short, with little foliage. After six years' trials we have found no corn now on the market to equal Early Iowa in the combination of size and earliness. Originated in Iowa, where its breeder is always first on the market, a week to 10 days ahead of competitors. Grown on our farm in Michigan.

Pkt., 10c; pt., 20c (by mail, 25c); qt., 30c (by mail, 40c); by express, 2 qts., 50c; 4 qts., 90c; pk., $1.55; bu., $5.50.

The Best SUGAR CORN
VAUGHAN'S Bantam Evergreen

Even sweeter than the famous Golden Bantam.

Satisfactory size—8 inches in length; almost as large as Evergreen.

Mid-season.

Holds quality longer after being picked than any other variety; the greatest improvement in this respect in Sweet Corn in years.

A cross between Golden Bantam and the old favorite, Stowell's Evergreen.

Bred and re-selected in New England, the home of sugar corn, where growers of years of experience call it the sweetest corn they have ever eaten.

A real sweet corn of sufficient size to be marketable.

Now runs 80 per cent true to type.

Pkt. 10 cts; ½ pt. 25 cts. *by mail 28 cts.*
Pt. 45 cts. *by mail 50 cts.*

Vaughan's Bantam Evergreen

The Opinion of One Who Knows

Mr. F. M. Clark of the Everett B. Clark Seed Co., Milford, Conn., who has had a lifetime experience in the growing of seed sweet corn, wrote us in August, 1913, as follows:

MILFORD, CONN., Aug., 1913.

We have been eating Bantam Evergreen Sugar Corn on our table for the past two weeks. Every one with us has remarked about the quality of this corn, and while we find that it is not yet definitely fixed as to color, it is certainly the sweetest corn grown today.

CLOVERBROOK FARM, ST. JOSEPH, MICH.

Bantam Evergreen is the best yellow Sweet Corn I have ever grown. The ears are of good size, very sweet and tender, and usually produce two or more ears on a stalk. The kernels loosen freely, leaving no husks on the cob. I recommend this variety where a yellow corn is wanted.

F. M. LONGFELLOW.

Golden Cream Sweet Corn

A Cross Between Country Gentlemen and Golden Bantam

A late yellow sweet corn, although earlier than Country Gentlemen. The kernels are long and pointed, the cob very slender, and the whole ear a trifle larger than Golden Bantam. Planted with Golden Bantam and Bantam Evergreen the three varieties yield in succession and on account of their similar color may be planted next to each other. Yellow and white corns planted together spot each other and spoil their table appearance. Quality is exceptionally good, very much the same as Golden Bantam. ***Pkt 10c, pt 20c, (by mail 25c), qt 35c, (by mail 45c), ½ peck $1.25.***

VAUGHAN'S NEW CANTELOPE HOODOO

As like as two peas in a pod.

This is everywhere a better melon than the Netted Gem (or Rocky Ford). It is the triumph of the grower in breeding for these points—uniform size, closeness of netting, roundness of form, tough rind, blight resistance.

Quality—The flesh is of fine grain (not stringy) and of the sweetest flavor. **HOODOO** melons from Michigan points bring the highest prices on the Chicago market, in competition with the whole United States.

Size and Shape—The size of **HOODOO** is just right (about the same as Rocky Ford) so that it may be served cut in halves. In shape somewhat more round than the Rocky Ford Gem, a fine feature in packing for shipment.

Flesh and Color—The flesh is of deep orange color and extremely thick, there being only a small seed cavity.

As a Shipper—The netting is ideal, heavy and close; the melon solid and heavy and firm at the blossom end. It is absolutely without a superior in shipping to distant markets.

VAUGHAN'S SPECIAL

Prolific—A wonderfully prolific melon, which nearly always, even under unfavorable conditions, produces a fine quality melon quite early in the season. It also withstands blight much better than other varieties.

Originator's Stock, pkt 10c, oz 25c, ¼ lb 70c, lb $2.50, Regular Stock, pkt 5c, oz 10c, 2 ozs 15., ¼ lb 30c, lb $1.00.

MORRILL'S RE-SELECTED STRAIN HOODOO

A re-selection made in the Benton Harbor district, a trifle better shipper and more prolific. ***Pkt 10c, oz 30c, ¼ lb 75c, lb $2.75.***

HOODOO *The "Money Melon"*

VAUGHAN'S APPLE SHAPED RED GLOBE

THE PERFECT MARKET RED ONION

EASTERN GROWN

VAUGHAN'S APPLE SHAPED RED GLOBE

VAUGHAN'S SPECIAL

This onion has the dark red color, proper size, best saleable shape for the general market, and type uniformity—the result of twenty years' continual re-selection (of the same strain) under ideal conditions in the best Eastern onion sections. Read our pages 42-43 for a description of how our Onion Seed is grown. Apple Shaped Red Globe encloses the largest bulk, equalling anything in Red Globe Onions in most compact shape for storing or shipping. The small neck prevents "water-logging" and stiff or thick neck in off-seasons. Such Pedigree Seed is worth many times that raised from selected bulbs, but without the many years' lineage. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70; 5 lbs., $7.75; 10 lbs., $14.50.**

THE EARLIEST LARGE PEPPER

MILD, SWEET

GIANT CRIMSON

NEW EARLY PEPPER GIANT CRIMSON

The growing popularity of the large sweet pepper as a table vegetable, instead of using it only for seasoning and pickles, has produced a development in this plant almost as rapid as that of tomatoes of a generation ago. Giant Crimson is especially desirable for the Central States, as it matures the earliest of all the extremely large, red sweet peppers. In habit the plant grows two and one-half feet high—vigorous and upright. The fruit is large, runs even in both size and shape and is produced in more abundance than some of the other large varieties like Chinese Giant. The color is a deep green when young and a rich red when ripe—flesh thick, sweet and very mild. **Pkt.. 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50; lb., $4.50.**

A NEW ERA IN DWARF EARLY PEAS

LAXTONIAN

LAXTONIAN PEA—"The New Dwarf Gradus"

The tall, extra early, Gradus pea, with its **large telephone-like pods** and its **exquisite flavored** peas is one of the most popular of all peas. In Laxtonian we have a dwarf type of the Gradus with the same large pods—almost the same in season and, moreover, **requiring no supports**—and the **same superlative quality peas.** This new Dwarf Pea is the **largest podded of all the early dwarf peas** and requires **no supports of any kind.** Laxtonian almost makes for itself a new class of garden peas—Giant Podded Early Dwarfs.

This new pea ripens in season a few days later than the first earlies, the pods are as large as Telephone and well filled with **eight to ten large and delicious peas.** We were the first American firm to offer Laxtonian and our seed has been grown in America the past few years under our direct supervision. The American Seed is far more vigorous and productive than English Stock. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 45c (by mail, 60c); 4 qts., $1.50; pk., $2.75; bu., $10.00.**

NEW DWARF PEA LITTLE MARVEL

The most satisfactory pea in the average home garden. It is dwarf—needs no support; it is early; it is hardy—stands grief far better than most kinds—it is productive; it remains in condition a week longer than other similar sorts; and its luscious, sugary peas are of the finest flavor and best quality. There is no doubt but that Little Marvel will supplant both American Wonder and Nott's Excelsior, as it is more productive and lasts longer. Grows fifteen to eighteen inches high—season the same as American Wonder and Nott's Excelsior—**dark green** pods, well filled. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 40c (by mail, 55c); 4 qts., $1.25; pk., $2.25; bu., $9.00.**

EARLY AMEER

A rather old variety, which has lately become very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large, and hence command a high market price. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ pk., 85c; pk., $1.65; bu., $6.50.**

PIONEER—"Giant Podded Dwarf"

The second introduction in the Giant Podded Dwarf Class—of about the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor. **Pkt., 10c; pt., 30c (by mail, 38c); qt., 55c (by mail, 70c); 4 qts., $1.85; pk., $3.50.**

LITTLE MARVEL

For Parcel Post Rates see page 58.

NEW POTATO
VAUGHAN'S KEYSTONE

VAUGHAN'S KEYSTONE POTATO

This new sort we believe the quality superior of any other late white potato now being offered. The skin of Keystone is finely netted (a sure sign of quality) and is an almost pure white color, not the brownish white of most varieties. The shape is long and tapering with shallow eyes—this with the pure white color, when grown in light soil, produces a beautiful appearing potato. The flesh is marble white—very fine grained—dry and mealy. Besides its quality and fine appearance Keystone yields with any of the heavy yielding late sorts and the past dry summers on our Michigan Farms, surpassed all of the rural types—like Carman No. 3 and Sir Walter Raleigh as to crop. The vine habit is bushy, rather than tall and does not spread in the row, allowing late cultivation without vine injury. A seedling of that famous potato progenitor Carman No. 1. F. O. B. Chicago. **½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.75; bbl., $4.75.** If ordered from New York: **½ pk., 45c; pk., 75c; bu., $2.00; bbl., $5.50.**

RADISH, GIANT BUTTER

NEW FORCING RADISH GIANT BUTTER

A Novelty of Sterling Merit.

This is by far the largest of the early, turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp and does not become hollow or pithy. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

RADISH VAUGHAN'S OLIVE CRYSTAL

This variety belongs to the Summer Radish class so well known to and liked by the Germans under the name May Radishes. Vaughan's "Olive Crystal" is the sweetest of all summer Radishes. Our illustration shows the type well; note the smoothness and clearness of skin, giving it a great advantage in beauty over such summer sorts as Stuttgart and Strassburg. Outside of its looks Olive Crystal has quality; the flesh is as sweet as a nut, entirely without the sharpness so often found objectionable in varieties of the same class. In shape it is that of an olive and the size of a walnut.

Those who like the Sweet Radish will find in this one that which is really ideal in a fine variety of the quality. This new sort matures early, grows a very small top and has a very small tap root. An added feature is that it may be planted early without running to seed. All of our trials and reports from our customers prove that it is most worthy of a place in the home garden. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.**

RADISH, OLIVE CRYSTAL

RADISH SAKURAJIMA

A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval, with cream colored skin and pure white flesh. The roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. The plants should be thinned out to from 12 to 15 inches apart in the rows, so as to admit of full development; must be sown in May; takes whole season to develop roots.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

NEW POP CORN BLACK BEAUTY

See illustration, page 148—introduced three years ago by Vaughan's Seed Store. It is an extra early variety which pops very large and is the most tender and crisp of all. Kernels black, but this color does not show when popped, then being pearly white. **Selected ears, pkt., 10c; ½ lb., 20c; lb., 30c, postpaid; by express, lb., 20c; 5 lbs., 80c; 25 lbs., $2.50; 100 lbs., $9.00.**

TELTOW TURNIP A favorite German table luxury. In flavor it surpasses all others, being milder and more sugary, while flesh is almost floury. The roots keep well all through the Winter and even far into the following year if taken up and stored in half dry sand. The size is small, 2½ to 3 inches long and about 1½ inches in diameter. **Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 90c.**

BANGHOLM RUTABAGA A Danish pedigree variety that has received a first prize government certificate as the best cropping Rutabaga in Denmark, where the government authorities have long been specializing in root crops. In shape it is rather cylindrical, with very small neck, yellow flesh, very dark purple top. Fine table quality; solid yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

Read about "Hidden Values in Seeds" on inside back cover.

NEW TOMATO EARLY DETROIT

The equal, if not the best, of any second Early Purple Tomato yet introduced. Some of the markets, like Chicago, demand a purple colored tomato; Early Detroit fills the bill. It is a variety maturing medium early in season, having the remarkable feature of bearing uniform, large, handsome, smooth fruits through the long season, yielding in the aggregate even more marketable tomatoes than the Standard and popular Beauty, which variety it most closely resembles. The fruits are almost globe shaped, firm, and ship as well as any variety we know.

Both the amateur and the market gardener will be interested in this new sort. It ripens early, bears a large crop, yields a long time, its fruits are large and smooth and the quality is excellent.

Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $3.00.

TOMATO "BONNY BEST"

Intense scarlet is the color of this very fine variety of tomato. It is a few days later maturing than Earliana, but the fruits run larger, nearly all of which are marketable. Smoothness of skin and uniformity of size are characteristic of this sort, it is scarcely possible to find a rough one. As a profit maker it may be planted wherever Earliana is profitable. As a variety for the home garden it is not surpassed. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

TOMATO EARLY DETROIT
A POPULAR VARIETY OF GREAT MERIT

SPINACH VAUGHAN'S GIANT "FILL BASKET"

A German novelty of great merit—specimens are really "giants" in size—20 inches across not being uncommon. The abundant dark glossy green leaves are attractively crumpled and thick in texture. Early as well as large. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

Grow Gladiolus for cut flowers. See special offer on page 92.

VAUGHAN'S "CHICAGO PARKS" LAWN SEED

The Best General Purpose Lawn Mixture that can be Made

HOW TO MAKE A LAWN

Have soil thoroughly spaded up, enriched with commercial fertilizer or well rotted manure, level and roll it well to make compact. Select a still, damp day for seeding; sow one-half of the seed from North to South and half from East to West, rake it over and roll again, when grass comes up replanting bare spots. When grass is 2 inches high cut it, and as necessary thereafter. Don't rake up short clippings as they make a good mulch. Always thoroughly soak a lawn when sprinkling, when required, but never sprinkle lightly. Free booklet, "How to Make a Lawn." Send for it.

QUANTITIES TO USE

25 lbs. for one-fourth acre	**1 lb. for 350 square feet**
50 lbs. for one-half acre	**5 lbs. for 1,750 square feet**
100 lbs. for one acre	**10 lbs. for 3,500 square feet**
	15 lbs. for 4,250 square feet

If intended for renovating an old lawn, abont half the above quantities are sufficient for the given spaces.

Vaughan's "Chicago Parks" Lawn Seed

Special Quotation.—We shall be pleased to quote special prices to Golf Clubs, Institutions, Parks and others, who require Lawn Grass and Clover Seeds in large quantities.

Price, ½ lb 20c, 1 lb 30c, 3 lbs 80c, 5 lbs $1.35, 10 lbs $2.65, 15 lbs $3.95, 20 lbs $5.25, 25 lbs $6.45, 50 lbs $12.75, 100 lbs $25.00. Postage, 8c per lb extra.

U. S. GOVERNMENT ADVICE

Department of Agriculture, Washington, D. C. BULLETIN 494

"In procuring seed for a lawn too great care cannot be exercised. Pure seed of high germination is of great importance in securing a good stand of grass.

"Pure seed is the keynote to a clean lawn, provided the work of preparing the land has been efficiently done.

"Thorough preparation involves not merely the mechanical treatment of the soil to reduce it to a proper seed bed, but the use of weed-free manure and the adoption of a course of treatment previous to preparing for the lawn, which shall serve to eradicate weeds. Such preparation coupled with pure seed, should give a satisfactory stand of grass which should need only the usual care necessary to maintain a lawn after it is once established."

In many grocery and department stores are sold dirty mixtures composed of the poorest grasses that never come up after the first year, chaffy seed, with nothing but "cheap prices" to recommend it. The cost of best seed is only a small outlay, why waste money, time and labor on spurious, valueless seeds? Vaughan's Chicago Parks Lawn Mixture produces beautiful and permanent turf. It is as pure, free from weeds and chaff as human skill and scientific machinery can make it. We invite microscopic examination, comparison or analysis.

We do not know of a better proof to offer, of the general excellence, reliability and attractive beauty of Vaughan's "Chicago Parks" Lawn seed than the continual use of it by many of the most noteworthy places in the United States.

FOR SHADY LAWNS — Vaughan's "COLUMBIAN" Lawn Grass Seed — *ON SANDY SOIL*

FOR SHADY LAWNS—Vaughan's Columbian Lawn Grass Seed on Sandy Soil, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs. for 4,000 square feet; 15 lbs. for 6,000 square feet; 25 lbs. for one-fourth acre; 100 lbs. for one acre.

Columbian is a selection of fine grasses which naturally thrive under shade of trees or buildings, or suitable for light sandy soils. This mixture produced lawns of beauty at the Columbian World's Fair, where it was used extensively and gave splendid results. Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass.

Price, Lb 30c, 5 lbs $1.35, 10 lbs $2.65, 20 lbs $5.25, 25 lbs $6.45, 50 lbs $12.75, 100 lbs $25.00. If by mail add 8 cents per lb for postage.

VAUGHAN'S HIGH GRADE LAWN FERTILIZER

The essential characteristics of high class fertilizer are those qualities which will supply the **plant food** necessary to maintain the beautiful color and velvety appearance. Lawn grass is a voracious feeder and must have the elements necessary to its growth. While stable manure contains these elements, its objectionable features, unsightliness, odor and weed seeds combine to make it highly objectionable.

Now, if your lawn is in fair condition, all you need do is rake off the dead leaves and grass in the early spring and scatter broadcast over the surface sufficient **Vaughan's Lawn Fertilizer** with a little **"Chicago Parks" Lawn Seed** over the thin spots, and the work is done.

DIRECTIONS. Make first application in early spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount. 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price—5 lbs 30c, 10 lbs 50c, 25 lbs $1.00, 50 lbs $1.75, 100 lbs $3.00, 200 lbs $5.50, 500 lbs $12.00, 1,000 lbs $22.00, 2,000 lbs $42.00.
New York prices—50c per 100 lbs; $7.00 a ton more.

HARD WOOD ASHES

This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. Price—25 lbs 45c, 50 lbs 75c, 100 lbs $1.25, 500 lbs $5.00, 1,000 lbs $9.50, ton $18.00.

OTHER SPECIAL MIXTURES

For these see pages 138-139-140. These include, Golf Link (Fair Green), Putting Green, Tennis Lawns, Quick Show, Deep Shade, Lawn Restoring, etc., also named sorts of grasses.

For general list of fertilizers see page 149.

ANTIRRHINUM Majus Nanum Grandiflorum

THE FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals** These attain full growth from seed, flower and die the first year.

⊙⊙ **Biennials** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early enough.

♃ **Perennials** These last for several years, blooming annually after first year, though some bloom first year if sown early.

Greenhouse Plants Start inside and cultivate in pots, or else transplant outside when danger of frost is over.

Stove Plants To be grown inside all the year round for pots only.

Climbing Plants.

4000 **ACHILLEA Ageratum** ♃ A yellow flowered, sweet scented perennial which grows rapidly and blooms the first year from seed. Makes a splendid border plant.... Pkt. 15

4001 **AGERATUM Rose Pearl** ⊙ This is a very interesting and attractive new annual border plant, one that blooms all summer and fall. The plants grow only about 6 to 8 inches high, branch and spread freely, and produce their charming, pink, ruby-centered flowers in abundance and in constant succession..... 25

4002 **AGERATUM Wendlandi Nanum Compactum Album** ⊙ The plants grow only about 6 inches high, branch out very freely, and produce their white flowers throughout the whole summer..... 10

ANTIRRHINUM ⊙

4003 **Majus Grandiflorum Apple Blossom** A charming pink shade on a white ground, with a white throat. The stalks are thickly studded with large flowers of the finest form. Splendid for growing inside or outside... 25

4004 **Majus Grandiflorum Silver Pink** A splendid commercial variety, long stemmed, large flowered, delicate rosy pink, seemingly covered with a silver sheen..... 15

4005 **Majus Grandiflorum Rubin** An odd and especially brilliant color which makes the plant show up well in a garden, adding a touch of oriental splendor during the summer months..... 15

4006 **Majus Pink Pearl** The ground color of the flower is white, the upper portion being shaded peach blossom, the lip being a deeper shade, which gives a most pleasing and exquisite effect to the whole flower..... 15

ANTIRRHINUM—Continued.

The following five varieties belong to the Nanum Grandiflorum or dwarf large flowering class. These are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

4007 **Amber Queen** The ground color is canary yellow overlaid with chamois pink with a gold lip..... Pkt. 15

4008 **Carmine Queen** Rich rose carmine, a most exquisite variety with very large fringed flowers..... 15

4009 **Golden Morn** Raspberry red and old gold with golden lip, unique color..... 15

4010 **Pink Beauty** Fine deep old rose with small yellow lip; the foliage, which is pale, forms a striking contrast to the rich color of the flower..... 15

4011 **Rosy Morn** A lovely pale, rosy pink, slightly paler lip, white throat..... 15

4012 **AQUILEGIA Long-Spurred Columbine** ♃ A strain of an English fancier, who has been at work many years perfecting it. The colors are distinct shades of white, lavender, salmon, mauve, pink, yellow, etc. The size of the bloom is unusually large, the spurs long, the foliage is small and graceful, and the plants are very free flowering 15

ASTERS ⊙

4013 **Buff Beauty** A charming Aster of the Giant Japanese section. The flowers are of a beautiful, pale primrose suffused with pink, giving a pretty apricot effect..... 10

4014 **Gypsy Girl** Large pyramidal shaped bushes about 24 inches high, each individual plant making a large bouquet. The flowers are carried well above the foliage, on long, stiff stems, and are fluffy white. This variety is an especially fine selection from Giant Ostrich Plume family..... 15

4015 **Salmon Queen** A very delicate salmon color; a variety for which there has been a long felt want, especially by those interested in the more delicate shades in flowers 15

Single Japanese Asters offered below are splendid for cut flower purposes as well as bedding. The yellow central disk is encircled by a wreath of long quilled ray petals, which lend to the bloom an uncommonly graceful aspect. Of branching habit, the plant throws up a large number of strong side stalks from the base of the main stem.

4016 **White**..... 25

4017 **Delicate rose**..... 25

BEGONIA ⌓ ⊃

4018 **Gracilis Bonfire** 12 to 14 inch. The bedding Begonias are very handsome for use in shade or partial shade and are easily raised from seed. This new one comes quite true from seed and has large lustrous carmine flowers with handsome metallic-brown foliage. It is a remarkably brilliant plant, and one that catches the eye at a distance with its striking color..... 15

4019 **Gracilis Prima Donna** 1 foot. This Begonia may be used as a bedder, but it is most successfully grown as a pot plant indoors. The plant forms a broad, full bush with dense foliage. The flowers are a brilliant, clear pink which shade into carmine rose toward the center, The blossoms are carried well above the foliage..... 15

ACHILLEA Ageratum

BIDENS Dahlioides

We would respectfully

REMIND

our customers that most of the seeds offered on pages 8 to 11 inclusive are quite new, and some of them we have gone to much trouble to procure, so that in many cases our stock of seed is limited. We would therefore advise those who wish to have them to

ORDER EARLY

and

AVOID A REFUSAL LATER

BEGONIA Hybrida Fl. Pl. Pendula

BEGONIA—Continued Pkt.

4020 **Lloydi.** New pendulous double flowering Begonia with flowers of rose, carmine and other shades. A plant which would particularly appeal to those who appreciate something new and pleasing..... 25

4021 **Hybrida Gigantea Duplex.** The petals are in double or triple layers, slightly waved and all shades from white, through yellow, salmon, orange rose to scarlet red 25

4022 **Hybrida Fl. Pl. Pendula.** New drooping Begonia. A new form of this popular plant which because of its drooping habit is especially recommended for growing in hanging baskets. The pretty hanging shoots are tightly covered with strangely formed loose double flowers in light and dark rose, salmon, carmine and bright red shades. The leaves are narrow and give to the plant a very graceful appearance. Grows readily from seed, the introducer having had plants 16 to 20 inches long in one season..... 25

4023 **BELLIS Turban.** 2/ We have been on the lookout for a double red daisy, and in the Turban we believe we have found the long wanted color. The flowers are very double and very freely produced. In color they resemble the fez caps worn by the men of Turkey; hence its name 25

4024 **BIDENS Dahlioides.** ⊙ A flower-lover will be glad to add this to his list of annuals for cut-flowers. The flowers are very large, single pink or white with yellow centers. They are produced on long stems and remind one of a Cosmos when in bloom. Should be started inside and planted out when danger of frost is over. May be grown in a sunny situation..... 15

BRACHYCOME—Swan River Daisy ⊙

4025 **Blue Star.** Probably the most perfect of all annuals, the plants being models of form and crowned with multitudes of blue daisy-like flowers. The blossoms may be described as star-like Cinerarias. This Blue Star makes an excellent edging plant..... 15

4026 **Snow Star.** Every one should try this new variety. The flowers appear as snow crystals in a mass of green in midsummer. One of the daintiest edging plants.... 15

4027 **THE CARDINAL CLIMBER.** ⊙ § A graceful annual climber growing readily from seed. The flowers are star-shaped in tube form, and a fiery scarlet borne in clusters. The foliage is deeply laciniated and heavier and coarser than those of the Cypress Vine, to which it is related. Should be sown in a warm, sunny situation and in good soil. May be started indoors and planted outside after all danger of frost is over..... 25

CHRYSANTHEMUM 2/ ⊙ 1½ feet Pkt.

4028 **Single Early Flowering Hybrids.** These have single flowers, resembling somewhat a single Aster. The blossoms appear on long stems in all the delicate colors imaginable. Seed sown indoors early in the spring and transplanted outside as soon as the earth is warm, will begin to flower in July and continue until frost. Will live through the winter with ordinary protection, and the plants each succeeding year will be larger and the flowers more numerous..... 25

CARDINAL CLIMBER

HELIANTHUS Purpureus Annuus

CINERARIA Hybrida Gigantea ⊙

This type represents the largest flowers in the Hybrid Cineraria family. They are of gigantic proportions. With good culture they often grow 4 inches and larger in diameter. The form of the flowers is perfect and the colors are very striking. Pkt.

4029 **Dark Red with White** 25
4030 **Dark Blue with White** 25

CLARKIA ⊙

4031 **Brilliant** This family should be better known. It is a very attractive annual, and is grown very successfully in England in beds or borders and in pots for exhibition purposes. Should be grown in a rather cool place. This variety has very double flowers, produced on long spikes, of a brilliant salmon scarlet. It is remarkably effective 15

4032 **Scarlet Queen** This is one of the most brilliant in a very brilliant family. The flowers are a double salmon orange and develop to a glowing orange scarlet with a salmon tinge 15

4033 **CENTAUREA Moschata Rosea** ⊙ The color of the newly opened blossoms is a delicate rosy white with light pink stamens, changing to tender rosy pink later. This will appeal to those who desire pink cut-flower material.. 15

CHRYSANTHEMUM Maximum ♃

4034 **King Edward VII** A Moon or Penny Daisy, whose white flowers appear in large numbers, almost covering the plant. Makes an excellent addition to the perennial border 15

4035 **Mrs. Chas Lothian Bell** Large white daisy-like flowers, profusely produced; splendid for cutting purposes, lasting well when cut. Perfectly hardy and thrives in any soil 15

4036 **Market Favorite** Produces an enormous number of well formed, pure white flowers, evenly distributed and flowering at one time, which enables the grower to clear the plant at one cutting. The flowers are borne on long stems, each stem carrying six to twelve blooms 15

4037 **COLEUS New Giant Red Leaved** ⊙ The leaves are very large, of a rich red color, a much desired shade for use in floral bedding. Combines well with Centaurea Candidissima 25

4038 **COSMOS White Lady Lenox** ⊙ A wonderfully strong grower with immense flowers up to six inches in diameter, of glistening crystal white 10

DELPHINIUM

4039 **Azure Fairy** ⊙ An annual of great beauty. The plants grow about 12 inches high, and are covered with a profusion of blossoms of a lovely clear Cambridge blue. It makes an excellent pot or border plant 15

DELPHINIUM—Continued

4040 **Gold Medal Hybrids** ♃ When established in clumps on rich ground these make a brilliant show and afford a decoration from July until September. This mixture contains all the beautiful light shades as well as a selection of the richer and darker varieties ..... Pkt. 25

4041 **Indigo** ♃ Delphiniums have become so necessary to our perennial borders for decoration and cutting purposes that we gladly welcome another new one of exceptional merit. It is a true indigo blue and comes nearly true from seed 25

4042 **Rev. E. Lascelles** ♃ The flowers, which are large and double, are of a beautiful deep blue, with white center, which forms a great contrast. A good percentage will come true from seed, and the remainder should produce some very fine hybrids 25

4043 **DIANTHUS Barbatus Coppery Red** ♃ **Sweet William.** A new and rich color in this well known family. The plant forms a perfect little bush, and the flowers make attractive cut flowers 15

4047 **DIDISCUS Coeruleus** ⊙ 3 ft. Not a novelty, but an unknown plant which ought to be grown more frequently. Long stemmed lavender flowers; look like blossoms of "Wild Carrot" or "Queen's Lace Handkerchief." A constant bloomer. Should be planted in partial shade 10

4048 **ESCHOLTZIA Mandarin Fire Color** ⊙ One of the most brilliant of the California Poppies, the colors being vivid red, brown and rust, flamed and streaked in the most bewildering manner 10

4049 **FUCHSIA Coral or Honey Suckle** We intended offering this last year but we desired to try it at our greenhouses first. This trial more than justified our expectations and we offer it confident it will please everyone with its beautiful flowers which resemble the French Honeysuckle blossom in form and color. Grows readily from seed 25

GLADIOLUS ♃

4050 **Gandavensis and Childsii** Gladiolus is, contrary to general opinion, easily raised from seed, and if planted early will make good growth the first year. In this we offer the cream of a specialist's collection, who has been at work many years crossing and recrossing the varieties, and several specially good varieties may be expected.... 10

4052 **HELIANTHUS Annuus Purpureus** ⊙ Horticulturalists in America and Europe have been at work for years to perfect a red sunflower. A year or so ago it was thought to be an accomplished fact, but unfortunately it was not so. Now they offer a blossom in which a chestnut red appears as a ribbon circle round the dark center with the tip of the petals yellow, and we know our customers will be delighted with it 15

LOBELIA ⊙

4053 **Prince Henry** Very large flowers of clear ultramarine blue, of dwarf habit. Especially good for bedding. An improvement on Emperor William 15

4054 **Sapphire** They are trailing in habit with wonderful large, deep blue flowers. This is set off by the pure white eye which occupies nearly one-third of the corolla 15

4055 **MARIGOLD Golden Star** ⊙ Dwarf Marigolds make splendid edging plants, particularly this one, owing to the oddity of the plant. The single flowers have golden yellow petals with purple red streaks radiating from the center. Many flowers are in evidence at all times, and they will remain in bloom until a heavy frost 15

4056 **PANSY Giant Ivory** ⊙ ☺ Plants are compact, and produce a multitude of dead white flowers without markings, on long stiff stems. Particularly good for planting on graves with either Ageratum Blue Perfection or Lobelia Bedding Queen 15

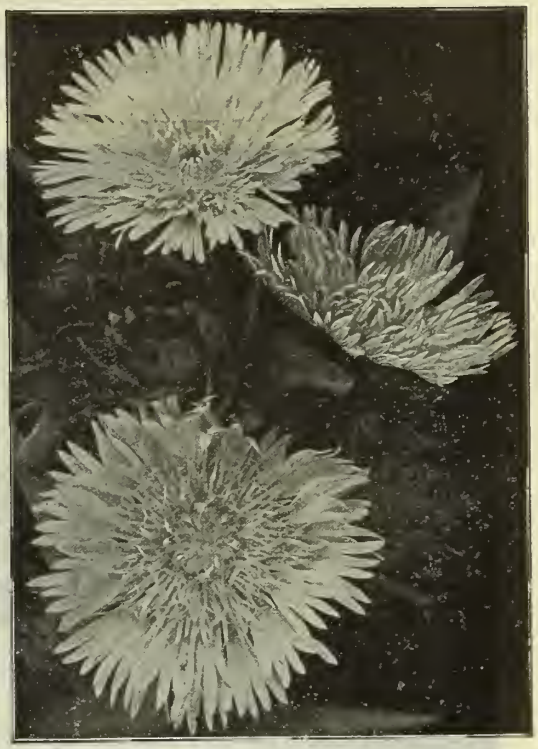
4057 **PANSY Princess** ⊙ ☺ 8 in. The distinguishing feature of these is their strikingly erect habit. The stalks are firm and strong and withstand the inclemencies of the weather to a remarkable degree. The blossoms are produced very freely and are of the Cassier and Masterpiece types with yellow shades predominating 15

VAUGHAN'S Flower Seed Novelties and Specialties for 1914

Customers ordering goods at prices marked herein, which do not include prepayment and which they wish sent by *Parcels Post*, should always enclose stamps therefor.

POPPY—Double Ranunculus, Salmon Shades

SCHIZANTHUS—Bridal Veil



STOKESIA Cyanea Alba

"Good Seeds are never dear"

PETUNIA ⊙

Pkt.

4058 **Dwarf Large-Flowering Fringed** The plants grow only 8 inches and the lovely blossoms appear in all the attractive colors common in this plant. No tying up is necessary and the plant will be excellent for laying out flower beds and borders as well as for pots..... 25

4058A **Enchantress** Belongs to the Hybrida Nana Compacta family which is so well adapted to window box and bedding use, as the flowers are produced so freely. These have a white center which is most effective with the delicate, brilliant light and dark rose, incarnata, delicate lilac of the flowers..... 15

PHLOX Drummondi Nana Compacta ⊙

4059 **Crown Prince** The flowers are magnificent and extremely brilliant color. The individual blossom is of faultless form and very large of salmony scarlet color..... 10

4060 **Rose Bush** A dwarf phlox of unusual brilliancy. The individual blooms are very large bright rose with dark spots at the base of the petals and a clear white eye. Splendid for a pink edging plant..... 15

4061 **Surprise** The flowers are a clear vermilion with a white center..... 10

Cecily Phlox in mixture was first offered by us several years ago and immediately was very popular with all our customers, who admired the large beautiful blooms on small compact bushes, making a bedding plant par excellence as it is an early and continuous bloomer. Now we take pleasure in giving four separate and attractive colors.

		Pkt.			Pkt.
4062	**Pure White**.....	15	4064	**Sulphur Yellow**....	15
4063	**Fiery Red**.....	15	3065	**Apricot Color**.....	15

POPPY

4068 **Nudicaule—New Hybrids** 2ℓ This a peculiarly fascinating strain, presenting delightful combinations in new shades of colors, such as blush, cream, flesh, salmon, striped and parti-colored, as white with yellow or pink edge and even blotched flowers, besides the older varieties in white, yellow and orange..... 15

4069 **Oriental Excelsior** 2ℓ A mixture of Oriental Poppies which includes the newer shades of delicate salmon to deep crimson. Really a very wonderful mixture, selected by a most careful grower..... 15

4070 **Double Ranunculus Salmon Shades** ⊙ Odd and attractive shades of delicate light salmon rose to brilliant salmon orange may be found in this selection..... 15

4072 **SALVIA Azurea Grandiflora** 2ℓ The plants grow upright and the porcelain blue flowers are produced in great abundance during a long season of bloom. One of best of the new perennials..... 15

4074 **SCHIZANTHUS—Bridal Veil** ⊙ The Schizanthus has long been known as "The Poor Man's Orchid," and is grown as a pot plant for Easter or exhibition blooming indoors. Previously we have offered the seed in mixture. Now we have a clear white flower which comes true from seed. The bright fresh green foliage adds to the attractiveness..... Pkt 15

4075 **STOCK Gloria** ⊙ Among the sweet scented flowers the Stocks stand as one of the most delightful, in that the fragrance and shape and colors all combine to make a plant of rare beauty. The Gloria is a clear light blood red color in the Giant Summer Flowering class, and is splendidlya dapted for bedding purposes..... 15

4076 **STOKESIA Cyanea Alba—White Cornflower Aster** 2ℓ The blue variety is favorably known to all lovers of blue flowering perennials, and now the white variety is offered as a companion to the above. The blossoms are pure white and freely produced..... 15

VERBENA 2ℓ ⊙

4077 **Hybrida Odoratissima** A mixture of Verbenas, whose flowers emit on warm days an intensive and striking perfume, particularly those of the light colored varieties. The mixture contains all shades and colors, and are equal in size to those of the Hybrida class..... 15

4078 **Miss Ellen Willmott** One of the large flowering type. The flowers are a very pretty bright salmon rose with a white eye..... 15

4079 **Hybrida Gigantea** A wonderful mixture of large flowering varieties introduced by a German specialist. The flowers are as the name indicates, gigantic, and with white eye. The red shades are particularly attractive.. 10

VIOLA CORNUTA 2ℓ

4080 **Mrs. G. Wermig** The flowers are rich violet blue. Blooms all summer in great abundance. May be used as a bedding plant, and the flowers make good cut-flowers.. 15

4081 **Thuringia** The violas or tufted pansies are very attractive garden plants, and should be better known. This variety has a dark blue flower with a white eye.... 15

4082 **WALLFLOWER Ideal Forcing** 2ℓ Wallflowers have been admired by many for their richness of color and charming fragrance. The particular feature of this kind is that it forces readily and willingly and is of a rich dark, blood red color, and the plants grow neat and compact..... 15

SWEET PEA CULTURE CONDENSED

Trench deeply; manure liberally; plant thinly; stake quickly; water freely; dispod promptly.

GEORGE STANTON.

SWEET PEAS—SPENCER VARIETY

10 BEST SPENCER SWEET PEAS

Our 10 best collections of Spencer Sweet Peas are so well and favorably known as to not need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

1 (regular size) packet of each 10 for 50 cents, postpaid. If bought separately would cost $1.35.

We cannot make any change in varieties.

White Spencer.
Pink and White. Blanche Ferry, Spencer.
Blue. Flora Norton, Spencer.
Crimson. King Edward VII, Spencer.
Pale Pink. Elfrida Pearson.
Pink. Countess Spencer.
Carmine. George Herbert.
Maroon. Othello.
Lavender. Florence Nightingale.
Picotee Edge. Marchioness of Tweddale.

VAUGHAN'S SPENCER OR

The most beautiful blossom in shape, size, color and free hearted, happy plants. Its flowers dance and sparkle yet ever beautiful. You can cut armfulls of flowers yet it Sweet Peas, because they fairly spring into radiant life in

NEW VARIETIES

		Pkt.
5000	**Dobbie's Cream.** Deep cream or primrose colored, nicely waved, with an abundance of four bloom sprays..	$0.25
5001	**Duplex Crimson King.** A rich blood red self color in the giant double standard type.....	.25
5002	**Earl Spencer.** Beautiful salmon rose, waved..Oz. 50c	.15
5003	**Edrom Beauty.** Salmon orange.....Oz. 50c	.15
5004	**Hercules.** A pale rosy pink flower of giant size.....	.25
5005	**King White.** Produces gigantic flowers of an absolutely pure white, and is so distinct in growth and has so much more vigor than any other White Spencer that the variety may be told simply by the vine itself. Compared with White Spencer the entire vine seems to be twice as vigorous; the flower is of a purer white, of better substance and more finely placed on the thick, long stems. The standard is of finest form, decidedly frilled and waved, and terminates beautifully at the throat. Wings large, waved and gracefully cover the keel. The keel is of pure white, is very large and strange to say, adds much to the beauty of the bloom, especially when the flowers are so bunched as to show this handsome well-formed keel.....	.25
5006	**Lady Knox.** Deep cream, beautifully edged with pink on the standard.....	.15
5007	**Margaret Madison.** A beautiful self colored azure blue. A lovely shade.....	.25
5008	**May Campbell.** A most distinct Sweet Pea; ground color cream, standard marbled in center with carmine, wings slightly veined with same color.....	.25
5009	**Mrs. Noakes.** A fine lavender of Spencer form beautifully waved.....	.15
5010	**Mrs. Townsend.** White suffused and edged with blue..	.15
5011	**Nettie Jenkins.** Pale lavender mauve.....	.15
5012	**Nubian.** Fine chocolate color.....	.15
5013	**Orange Perfection.** A very bright orange of splendid form, absolutely sunproof.....	.10
5014	**Rainbow.** Soft rose color in fine hair lines on ivory white.....	.10
5015	**Rosabelle.** A very fine large rose-colored flower, giant size and a strong grower producing abundance of sprays of fours.....	.25
5016	**Stirling Stent.** A deep salmon colored flower; less influenced by weather than any other variety of its class.....	.10
5017	**Thomas Stevenson.** Bright orange scarlet, almost a self.....	.10
5018	**Vermilion Brilliant.** A brilliant scarlet Spencer of splendid form. The standard is very bold and beautifully waved.....	.25

Peas

BUTTERFLY VARIETIES

fragrance, produced so abundantly, and long on lightsome, in the sunlight the whole summer through, ever changing, smiles and pursues its beneficient way. It is easy to grow the hands of those who love them.

GENERAL LIST

		Oz.	Pkt.
5019	**Afterglow.** Bright violet standards shaded rosy amethyst, wings paler blue, waved, requires shading		$0.15
5020	**America.** White ground, heavily striped and flaked with bright crimson scarlet. A large bold flower of splendid form	$0.30	.10
5021	**Apple Blossom.** Standard very bright rose, wings primrose with a flush of rose tint	.30	.10
5022	**Asta Ohn.** A soft pinkish lavender self. Flowers very large and beautifully waved. A very charming variety	.50	.10
5023	**Aurora.** Flowers white, mottled and flaked with bright orange pink	.30	.10
5024	**Blanche Ferry.** A giant type of Spencer form, with rose standard and wings white, suffused and tinted with light pink	.50	.10
5025	**Captain of the Blues.** Pure purple, the margin of the petals is marbled. Very large and distinct	.50	.10
5026	**Clara Curtis.** A beautifully waved cream of good substance, usually has four blossoms on a stem	.35	.10
5027	**Countess Spencer.** The original giant flowered Spencer, with finest waved standard and wings clear pink, deepening somewhat towards the edge, but almost self-colored ¼ lb., $1.00	.35	.10
5028	**Dainty.** White ground, with beautiful picotee edge of rose pink, splendid form	.50	.10
5030	**Elfrida Pearson.** Large pale pink flower, the buds and young flowers having a distinct tint of buff	.75	.25
5031	**Elsie Herbert.** White ground, edged pale rose	.50	.10
5032	**Evelyn Hemus.** Cream, with a picotee edging of terra-cotta pink	.50	.15
5033	**Flora Norton.** Light blue	.50	.10
5034	**Florence Morse.** Standard richly flushed with a beautiful distinct shade of pink; wings soft blush pink	.30	.10
5035	**Florence Nightingale.** A very large, finely waved bluish lavender	.50	.15
5036	**George Herbert.** Rose crimson, suffused with magenta and showing veins in wings	.30	.10
5037	**Helen Lewis.** Blooms large, orange salmon with pink, especially bright orange standard	.35	.15
5038	**King Edward VII.** The best pure red Spencer, very large, with especially immense wings	.30	.10
5039	**Marchioness of Tweddale.** White ground heavily margined with rose which flushes into the center of the standard and wings	.75	.25
5040	**Marie Corelli.** A bright glowing crimson, almost a self color	.40	.10
5041	**Maud Holmes.** Rich crimson Spencer, fine large flower and quite sunproof	.30	.10
5042	**Mrs. A. Ireland.** Standard bright rose pink, with creamy base, wings blush	.30	.10

A leaflet "How to Grow Sweet Peas" furnished with each order of Sweet Peas if asked for at the time of ordering.

SPECIAL OFFER—SPENCER SWEET PEAS

Any 3 10-cent packages for 25 cents
Any 2 15-cent packages for 25 cents
Any 3 25-cent packages for 65 cents

NEW SWEET PEA—KING WHITE

		Oz.	Pkt.
5043	**Mrs. Hugh Dickson.** A light salmon pink on cream ground, strong grower, throws four flowers to a stem	$0.30	$0.10
5044	**Mrs. Routzahn.** Buff or apricot ground flushed and suffused with delicate pink	.35	.10
5045	**Othello.** Of immense size, with large drooping wings, rich maroon. One of the best dark sweet peas	.30	.10
5046	**Pearl Gray.** Very fine lavender on primrose ground; the general effect is a pretty bluish gray.	.50	.15
5047	**Primrose.** Deep primrose or creamy yellow of largest size	.30	.10
5048	**Senator.** Claret and chocolate stripe on French gray ground, large and most distinct	.30	10
5049	**Tennant.** Purplish mauve, a large, fine flower, and a good grower	.35	.10
5050	**White.** Flowers very large and of magnificent Spencer waved form. Stems as a rule carry four blossoms	.35	.10
5055	**Vaughan's Special Mixture of Spencer Varieties.** In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class ¼ lb., $1.00	.35	.10

VAUGHAN'S SPECIAL

SWEET PEAS FOR FALL PLANTING

Sowing in late November or early December in the open ground secures flowers earlier in the season than from seeds sown in spring, and the root growth is stronger, so it carries a plant through a dry season better, and seasons of blooming are prolonged.

VAUGHAN'S GLADIOLUS SPECIALITIES

SCHWABEN

YOU ARE SURE OF FINE FLOWERS IF YOU PLANT GLADIOLUS

Being large growers of Gladiolus bulbs and introducers of the most popular new varieties we are able to serve our customers with clean, healthy stock. Gladiolus are the most attractive of all summer flowering bulbs. They need only a little culture to keep weeds down, will grow in any good garden soil, and with ordinary rainfall seldom fail to flower the same season, because their growth is assured from the stored-up strength in the bulbs. Wonderful improvements have been made recently in the size and colorings of these flowers. Having the greatest faith in the future of the Gladiolus, we are increasing our stocks and plantings by adding all new hybrids, both in the named kinds and high grade mixtures here offered. We now have six gardens and storehouses east and west for producing our supply. The best time to plant is about the first of May, but they may be planted by the 20th of April in the central states. A succession of bloom may be had from July to October by making plantings ten days apart.

You will make no mistake in buying all Gladiolus bulbs at our stores.

HYDE PARK—Novelty for 1914 (Baer)

A new hybrid of the Gandavensis type, a cross between May and the old favorite Shakespeare.

The flowers have the same fine open shape and large size as Shakespeare, with the same exquisite coloring in the three upper petals—a frosty, sparkling white, penciled and feathered with light and dark rose—but the lower petals are much more distinctly blotched with cream—which is an added charm. The foliage is clean and healthy, remaining deep green until frost. It is a very early bloomer, making it of special value in the cut-flower market, as it comes in at a time when there is very little competition from other varieties. Certificate of merit, American Institute of New York City, Sept., 1913. **Each, 15c; doz., $1.50; per 100, $12.00.**

SCHWABEN

A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best of clear Canary yellow, shading to a soft sulphury yellow when opening. The center of the flower is a deep golden yellow with brownish carmine blotches. The foliage is very distinct, being broad, strong and of a rich green color, adding wonderfully to the decorative effect of this novelty.

This variety was awarded a certificate of merit in Paris, 1910, and has since received numerous other prizes where exhibited. We recommend this new kind to all who appreciate a good Gladiolus. The name Schwaben was given to this kind because the "Airship Schwaben" passed over the grounds on the day it was judged. **Each, $1.00; doz., $10.00.**

IRIS

Nanceanus Hybrid, large flowers, bluish lilac, lightly flamed with red, small spot speckled with red on white background, unique coloring. This is without a doubt the finest and largest light blue Gladiolus in existence. Certificate of merit at Paris in 1909. **Each 60c; doz., $6.00.**

TITIAN

Flowers very large, coppery salmon flushed deeper, with purple veinings. Very fine stalk carrying as many as 25 flowers of which eight will be open at the same time. Giant plant, attaining a height of 5 ft. Certificate of merit, Paris, 1913. **Each, 50c; doz., $5.00.**

PRIMULINUS "SUNBEAM"—Novelty

One of the first varieties of Primulinus blood in America to receive a name. This variety, which we are introducing now for the first time, is a cross of select yellows from the Primulinus Mixture with the variety Sulphur King. Its strong growth and clear yellow color mark it for a leader in this class. The graceful form of all of the Primulinus class insures their popularity in our best American gardens as soon as they become known. See further description of this class below.

This Hybrid was produced by crossing the best yellow Primulinus with Sulphur King. It has a clear yellow color and is a strong grower, splendid garden variety. **Each, $1.00; per doz., $10.00.**

PRIMULINUS MAJOR HYBRIDUS

One of our foreign growers by crossing the Gladiolus Primulinus and certain varieties of well known types of the Gandavensis, Lemoinei and Nanceanus, has succeeded in obtaining these Hybrids which we offer to our customers for the first time. The range of colors is very remarkable, from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers we believe these new Hybrids will be appreciated for in-door decorations. **Mixed, each, 15c; doz., $1.50; per 100, $12.00.**

TRIOMPHE DE PARIS

Large flowers creamy white slightly striped with lilac. Small carmine blotch shaded gold yellow. Very fine variety having a profusion of flowers all around the spike forming a bouquet. **Each, 75c.**

KUNDERDI GLORY, WHITE (New)

(Kunderd) As tall and vigorous as Kunderdi Glory, with darker foliage. The ground color is a clear solid white and the lower petals have a distinct Iris Blue marking of same form where Kunderdi Glory is marked with red. The general appearance is very Iris like. An extraordinary striking variety. Very tall, vigorous and showy. Grand. **Each, $1.00; doz., $10.00.**

AMARYLLIS NO. 1

(Kunderd) Brilliant blood red; almost solid color. A giant flower on a medium height stalk. The blooms much resemble a good sized Amaryllis and there are plenty of them open at a time. A very distinct and showy red of first-class shade. **Each, 50c.; doz., $5.00.**

AZALEA

(Kunderd) Is very clear, solid white ground with sometimes light salmon flaking and a large conspicuous and glowing blotch on lower three petals, as fine as in Pelargoniums. The ruffling of Kunderdi type is clearly marked and the whole effect of the flower is that of a white Azalea. **Each, 50c.**

JEAN RAGOT

Enormous flowers, very wide open. Outside petals pale rose salmon strongly striped blood red; inside petals bright salmon rose, small white spot speckled with carmine; superb spike, late flowering. Certificate of merit at Paris, 1910. **Each, $1.00; doz., $10.00.**

EUROPA

A sensational novelty, spikes of which average 5 feet and are dressed with gigantic flowers of purest white without a trace of any other color. The spikes are very broad, as three flowers appear usually together in a line; a single spike averages 25 blossoms. **Each, $1.00; doz., $10.00.**

MRS. FRANK PENDLETON, JR.

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems, which fall gracefully when arranged in vases. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. **Each, 50c; doz., $5.00.**

NIAGARA

In type the variety resembles "America," but the flowers appear to be somewhat larger, measuring 4½ inches across. In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. Stamens purple; stigmas pale carmine, this little addition in coloring relieving the creamy effect of the petals. Flower spike very erect and stout and wrapped with broad dark green foliage. Destined to lead in the cream colored varieties; in fact, would seem to be in a class all by itself. **Each, 35c; doz., $3.50.**

PANAMA

A new seedling of "America" which resembles the parent variety in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Awarded First-class Certificate by Newport Hort. Society, September 16th, 1911. Spike very long with flowers large and well arranged. **Each, 75c; doz., $7.00.**

GLOIRE DE VILLENOY

Flowers very large, well opened, bright salmon with slender white band and a small ivory spot speckled red, very fine stalk, early flowering. Certificate of merit at Paris, 1911. **Each, $1.00; doz., $10.00.**

IRIS

GLADIOLUS—Continued

NIAGARA

PRIMULINUS "SUNBEAM"—Novelty

WHITE GLORY

MRS. FRANCIS KING

The Leading Decorative Gladiolus for the Trade

This has become the most popular and effective variety for window, store and hotel decorations. The long, strong flower stalks with foliage, its effective flower spike with a good line of reserve buds continually opening, with flower 4½ inches across, five to six flowers well spread out on the spike at the same time, its brilliant vermilion scarlet color gives for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other Gladiolus.

Large Bulbs, each 5c, doz. 50c, postpaid; per 100 $3.00.
Medium Size, doz. 35c, postpaid; per 100 $2.50.

VAUGHAN'S PRINCEPS

Princeps has more than verified the claims made by us. Its wonderful size of flower, perfect shape, brilliant coloring and artistic form of flower spike are each so notably an improvement over all other varieties that all combined place it in the front rank. The flowers are 5 to 6 inches broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three white blotches on the lower petals.

Large Bulbs, each 10c, doz. $1.00, postpaid; per 100 $6.00.
Medium Size, doz. 75c, postpaid; per 100 $3.50.

	Each	Doz.	100
ALINE, pure white, slightly striped crimson	$0 20	$2 00	$15 00
ARISTOPHANES, pure salmony-rose, white band in the center of each petal and straw-colored blotch	25	2 50	20 00
ASTARTE, pale rosy lilac, streaked with rose	10	1 00	7 00
ATTRACTION, deep rich crimson, with large white center and throat	10	1 00	7 00
ADMIRAL CERVERA, slaty-rose striped and edged violet, creamy-white blotch	20	2 00	15 00
AUGUSTA, pure white, blue anthers	05	50	3 00
BARON J. HULOT, dark velvety purple	07	75	5 00
BLANCHE, pure white, with very faint markings	25	2 50	20 00
BRENCHLEYENSIS, intense fiery scarlet	03	30	2 00
BRILLIANT, orange red, carmine and white throat	10	90	6 00
CANICULE, clear scarlet red, creamy-white blotch on lower petals	25	2 50	20 00
CARNATION, fleshy-white tinged at the edges with carmine	10	1 00	7 00
CANARY BIRD, clear canary yellow	10	1 00	7 00
CARDINAL, clear intense scarlet	20	2 00	15 00
CERES, white spotted purplish rose	05	50	3 00
CHAMONT, lilac shaded purple	12	1 30	10 00
CHICAGO WHITE, pure white, lavender marking in throat	07	75	5 00
CHRYSOLORA, golden-yellow	10	1 00	7 00
COLUMBIA, orange-scarlet, blotched and penciled with blush purple	10	85	6 00
CONTRAST, large scarlet with white center	50	5 00	.....
DAWN, beautiful shell pink	25	2 50	20 00
DEBORAH, dark red, tinted with amaranth	10	1 00	7 00
DEUIL DE ST. PIERRE, ashy-rose striped and suffused with violet purplish-red blotch	25	2 50	20 00
ELIZABETH KURZ, pure white with faint marking	15	1 50	12 00
EMMA THURSBY, white, striped and blotched	10	1 00	7 00
EUGENE SCRIBE, tender rose, blazed carmine red	07	75	5 00

AMERICA

This beautiful variety, with its soft, lavender-pink color, its full symmetrical spike, with its rounded double row of many flowers in bloom at one time, has been accepted with great enthusiasm by the cut-flower growers; they found the blooms not only very popular with the public as cut flowers, but that the bulbs could be planted in greenhouses in winter and thus bloom very early.

Large Bulbs, each 5c, doz. 50c, postpaid; per 100 $3.00.
Medium Size, doz. 35c, postpaid; per 100 $2.50.

THE MARGARET

This beautiful seedling, first produced ten years ago, has now so increased in number that we are now able to offer it. It is a vigorous grower, 5 to 6 feet, with a broad foliage resembling Iris. The spike is straight and strong, never twisted or deformed. The flowers are large, beautifully arched and 6 to 8 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. A good cut flower; if cut when the first flowers open, is usable for ten days.

Each 20c, doz. $2.00, per 100 $15.00.

	Each	Doz.	100
FERNANDO CORTEZ, pale yellow, violet-red striped	$0 25	$2 50	$20 00
FLORENCE, bright lilac, white blotch on two lower petals	25	2 50	20 00
GENERAL JOUBERT, bright salmony-rose, two lower petals bear blood-red blotch	50	5 00	.....
GIANT PINK, very fine pink	07	75	5 00
GLORY OF HOLLAND, puro white	20	2 50	20 00
GLORY OF BRIGHTWOOD, scarlet, lemon throat	12	1 25	8 00
GRAND CONDE, salmony-rose striped with violet-red, white blotches	12	1 30	10 00
HENRY GILMAN, deep salmon-scarlet with pure white bands	09	90	6 00
I. S. HENDRICKSON, beautiful and irregular mottling of white and bright pink	10	1 00	7 00
IRENE, pink, flaked with crimson	12	1 25	8 00
ISAAC BUCHANAN, very fine yellow	10	1 00	7 00
JEAN BART, bright crimson-red, ivory white blotch	12	1 30	10 00
JESSIE, rich velvety red	07	75	5 00
KATE, blush white, crimson blotch on throat	06	60	4 00
KLONDYKE, light yellow, with crimson	06	60	4 00
KOENIGIN CHARLOTTE, white flaked pink, with extremely large blotch of a carmine blood-red	12	1 25	8 00
KUNDERI GLORY (Ruffled), delicate cream pink, crimson stripes in center of each lower petal	12	1 25	8 00
LA COMETE, violet-lilac, with stripes of a paler shade, white blotch	25	2 50	20 00
LA FRANCE, blush white	07	75	5 00
LA LORRAINE, bright salmony-red, blotch dark purplish red	25	2 50	20 00
LILEY, very large flowers, mottled with creamy white and extremely bright soft rose	12	1 30	10 00
LILY LEHMAN, white, rose tinted	15	1 50	12 00
LUTIN, cherry red with deep crimson blotch	12	1 30	10 00

GLADIOLUS — Continued

THE MARGARET

CHICAGO WHITE

ROSY SPRAY

KUNDERD'S "RUFFLED" GLORY

	Each	Doz.	100
Madame Brunefet, pale rosy-lilac striped with carmine red	$0 35	$3 50	$25 00
Madame Monneret, delicate rose	06	60	4 00
Madame P. Palmer, rose suffused with carmine blotch cream colored, edged cherry-red	35	3 50	25 00
Manteau de Pourpre, purple with spots of a more intense purple of the deepest shade	1 00	10 00	
Marie Therese, white with a few rosy stripes	25	2 50	20 00
May, pure white flaked rosy crimson	06	60	4 00
Mefrose, white flaked pink, bright crimson center	40	4 00	
Mephisto, coppery scarlet	15	1 50	12 00
Mrs. Beecher, deep rosy crimson, throat pure white	12	1 30	10 00
Mohonk, dark pink spotted throat	09	90	6 00
Morning Star, white with a large rich velvety crimson throat	12	1 30	10 00
Madrilene, bright salmony rose with velvety carmine blotch	10	1 00	7 00
Nezinscott, bright blood scarlet with deep velvety crimson-black blotch and white mottlings	09	90	6 00
Phlegeton, dazzling scarlet-red, violet-red blotch lower petals	35	3 50	25 00
Paulham, dark violet, with a paler shade in center; on lower petal a fine cherry-red blotch edged with ivory white	15	1 30	10 00
Precuseur, bright rosy-lilac with carmine-red blotch on a white ground	10	1 00	7 00
Reine d'Anjou, pure white with purple streak in throat	20	2 00	15 00
Rosy Spray, white beautiful sprayed rose	07	75	5 00
Salem, salmon-pink, maroon blotches	07	75	5 00
Schwarz-Rot, gold, scarlet blood red blotch, black penciled with canary yellow	15	1 50	12 00
Scribe, tender rose, tinted white, freely striped carmine	09	90	6 00
Shakespeare, blush white, with large rosy blotch.	07	75	5 00
Sophocles, fine fiery red, blotch of a velvety garnet-red with white stripes	25	2 50	25 00
Sulphur King, clear sulphur yellow	15	1 50	12 00
Sunlight, light crimson with large canary-yellow throat	07	75	5 00
Superb, pink flaked and striped with salmon pink.	10	1 00	7 00
Thermidor, salmon-red profusely flushed and edged with slaty-grey	10	1 00	7 00
Triton, salmon-red, lighted up with white throat.	35	3 50	25 00
Variabilis, blue-black, flaked pink	12	1 30	10 00
Velvet King, dark scarlet, similar to Brenchleyensis	09	90	6 00
Willy Wigman, creamy white, scarlet blotch	12	1 30	10 00
Wild Rose, delicate rose	12	1 30	10 00
Wm. Falconer, clear light pink	09	90	6 00

SPECIAL OFFER No. 600B. Two each of the following six varieties sent by mail, postpaid, for **75c: Mrs. Francis King, Columbia, Chicago White, Canary Bird, Baron J. Hulot, I. S. Hendrickson.**

SPECIAL OFFER No. 500B. Two each of the following six varieties sent by mail, postpaid. **50c: Augusta, Brenchleyensis, Eugene Scribe, Klondyke, Ceres, Kate.**

GLADIOLUS IN COLORS

	Doz.	100	1000
Blue Shades	$0 75	$4 50	$40 00
Lilac and Violet	75	4 50	40 00
Pink	40	2 50	20 00
Pink and White	50	3 00	25 00
Scarlet and Red	30	2 00	15 00
Scarlet with White Throat	50	3 00	25 00
Striped Shades	50	3 00	25 00
White and Light Shades Extra	60	3 50	30 00
Giant White Mixed	1 00	6 00	50 00
Yellow Shades	60	3 50	35 00

GLADIOLUS MIXTURES

It is a well-known fact that some varieties of Gladiolus multiply much more rapidly than others, and as a result Gladiolus grown in mixture, unless very carefully watched, will deteriorate very rapidly. Recognizing this fact, we make all of our mixtures of these bulbs ourselves, using named varieties and mixtures of proven merit. By this method we can safely promise our customers satisfaction when buying our mixtures.

RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childsii kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up and we believe unexcelled by that offered by any other American firm. **Price, doz. 70c, postpaid; by express, 50 for $2.25, 100 for $4.00, 250 for $9.00, per 1000 $32.00.**

GIANT "CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childsil varieties. Included in this are many Childsii seedlings not yet named. **Price, doz. 50c, postpaid; by express, 50 for $1.75, 100 for $3.25, per 1000 $30.00.**

EXTRA FINE

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types. **Price, doz. 50c, postpaid; by express, 50 for $1.65, 100 for $2.85, per 1000 $25.00.**

VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. This mixture contains excellent values. **Price, doz. 40c, postpaid; by express, 50 for $1.25, 100 for $2.00, 250 for $4.00, per 1000 $15.00.**

GOOD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make a brilliant showing in the gardens of our customers. This one, our cheapest, which we call "GOOD MIXED," will be found satisfactory everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and where large masses are to be planted. **Price, 4 for 12c, doz. 30c postpaid; by express 50 for 90c, 100 for $1.50, 250 for $3.00, 500 for $5.50, per 1000 $10.00.**

THE HOME GARDEN

The cultivation of a home garden is associated with so many rich rewards at the cost of small effort, that one season's trial is enough to turn the most lethargic into enthusiastic gardeners. Vegetables gathered from one's own garden when wanted have greater sweetness of flavor and freshness than any other. Economy as well as pleasure is found in the home garden, there can be produced the everyday necessities as well as the dainty luxuries required for the table. A few feet of ground is enough to supply the family with every vegetable need, with the result of better vegetables at little cost, better health, better exercise, improvement of education, natural pleasure and joy in seeing nature produce to your hands' work. All these and other benefits reward those who cultivate home gardens. Get busy with the spade and rake in the back yard, buy a few Vaughan's known quality seeds and reap a harvest "Nature" is waiting to give you for a little work in her domain.

ABOUT PRICES

The vegetable seed crop for 1913 throughout the world was generally below normal. The most important shortages are Garden Beans, especially wax varieties; Paris Golden Self-Blanching Celery, large Peppers, Egg Plant, Parsley, Early Potatoes, a few kinds of Early Cabbage. Best Quality Globe Onion seed is not plentiful and should be ordered early. Prices of Peas, Beet, Carrot and Parsnip are much lower than last year. Radish shows better germination.

Cut one year roots two years after planting; two or three year roots, year after setting.

ASPARAGUS ROOTS AND SEEDS

To kill asparagus beetle, mix 10 parts flour, 1 Hellebore; dust with it. Insecticides—After cutting, arsenate of lead or Paris Green.

ASPARAGUS ROOTS AND SEEDS

ASPARAGUS ROOTS

	Doz.	100	1000
CONOVER'S COLOSSAL. 1 year old roots	$0.10	$0.50	$4.00
PALMETTO. 1 year old roots	.10	.50	4.00
COLUMBIAN MAMMOTH WHITE. 1 year old roots	.10	.50	4.00
BONVALLET'S GIANT. 2 year old roots	.25	1.50	10.00
CONOVER'S COLOSSAL. 2 year old roots	.15	.75	5.00
PALMETTO. 2 year old roots	.15	.75	5.00
COLUMBIAN MAMMOTH WHITE. 2 year old roots	.15	.75	5.00
ARGENTEUIL. 2 year old roots	.25	.95	8.00
3 YEAR OLD ROOTS. Transplanted plants for forcing.			
BONVALLET'S GIANT	.50	2.75	22.00
CONOVER'S COLOSSAL	.30	1.50	12.00
PALMETTO	.30	1.50	12.00
COLUMBIAN MAMMOTH WHITE	.30	1.50	12.00

If to go by mail add for postage as follows: 1 year old roots, 5c per doz., 35c per 100; 2 year old roots, 8c per doz., 50c per 100; 3 year old roots may be shipped by express only.

ARTICHOKE, GREEN GLOBE—Perennial, large flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. **Pkt., 10c; oz., 30c.**

JERUSALEM ARTICHOKE ROOTS—Best hog food known. Easily grown. Three bushels seed acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. **Lb., 30c; 3 lbs., 75c, postpaid.**

Chicago, by freight or express: **Pk., 75c; bu., $2.00; bbl., 2¾ bu., $4.25.** New York, **pk., 15c; bu., 50c; bbl., $1.00,** to be added to these prices.

BONVALLET'S GIANT ASPARAGUS

THE GREATEST ASPARAGUS—MOST RUST-PROOF

Nothing like it in Asparagus, so popular has this special strain of ours become that, before the planting season was half over last year, our entire stock was sold out. The picture to the right in a measure shows the difference between this asparagus and a stalk of one of the best ordinary sorts. The difference in rich, juicy, fine flavor is still more remarkable than in the size. Bonvallet's Giant is a selection made by a veteran French asparagus grower who found a plant growing in his field of "Argenteuil" still vigorous and green, while the remainder of the field lay ruined and black with rust. Continual selections have been made since, always saving seed from the most vigorous and strong growing plants. Our seed is from the originator, gathered from the latest reselections, In habit of growth, Bonvallet's Giant is vigorous and healthy, outclassing all others we have tried; it usually produces a year in advance of other sorts. The cutting period is longer than others, as its crown does not divide. Buy early. Plant this grand vegetable and your table will be supplied with a rich luxury, nutritious and delightful. **Roots 2 years old, doz., 25c (by mail, 35c); 100, $1.50 (by mail, $2.00); by express only, 1,000, $10.00. Three-year-old transplanted plants, by express only, doz., 50c; 100, $2.75; 1,000, $22.00. Seed pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.**

CULTURE. Sow thickly in early spring; then in one or two years transplant at distance of 9 to 12 inches apart, in rows 3½ feet between them. Asparagus can be cut from such seeding in 3 to 4 years.

EARLY GIANT ARGENTEUIL—Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest Asparagus plantations near Paris. **Pt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.**

BONVALLET'S GIANT—Best variety for home and market gardens yet introduced (see illustration on this page). **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.**

PALMETTO—Standard light green grass. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

COLUMBIAN MAMMOTH WHITE—Large semi-white shoots—without earthing up. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

BARR'S MAMMOTH—Similar to Palmetto. Does better in some soils than in others. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

CONOVER'S COLOSSAL—A large, fast growing variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

ASPARAGUS—BONVALETT'S GIANT, White, Compared with an Ordinary Green Sort

VAUGHAN'S

DAVIS KIDNEY WAX

WAX SORTS

Our many customers whose trade we have enjoyed continuously for years, furnish the best proof of the SPECIAL PRIDE we take in supplying only the BEST in BEAN SEED. As specialists in this line we add IMPROVEMENTS and REMOVE DEFECTS each year, and watch with searching care all that goes on where our seed is grown. Our constant aim is to produce THE BEST, and although ABSOLUTE perfection may be hopeless in seed growing as yet, our strains of beans come as near to that standard as the

DAVIS KIDNEY WAX

The handsomest of all the early Wax Beans. The pods are long (seven inches), straight, very uniform and clear waxy white. The vines are vigorous, very prolific and fairly rust resistant. We are constantly improving the variety in this respect, using only the seed from unaffected vines. The dry beans are kidney-shaped, clear white and excellent to use as a Navy Bean for baking. For snap beans in the home garden they should be used while young, before they become stringy. The best market garden wax bean. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); by express, pk., $2.25; bu., $8.00.**

ROUND POD KIDNEY WAX

Is early, of vigorous growth, heavy yielding vines, entirely stringless long pods, which are entirely edible and of fine flavor. Of the round pod varieties this is one of the best. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 40c (by mail, 55c); by express, pk., $2.40; bu., $8.50.**

The unfortunate wet harvest last year left us short of seed of our famous Monster Stringless Wax Bean—we are not offering it this season.

BLACK PENCIL POD WAX

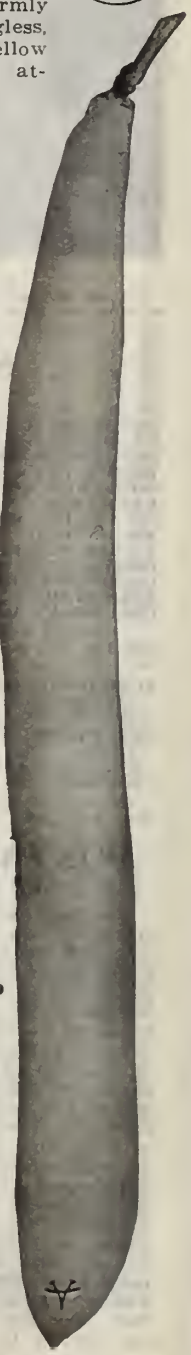
Bushy, heavy yielding vines, 15 inches high, bear, round, 6 to 7 inches long, thick, stringless, rich yellow pods, containing black seeds of excellent quality; a splendid sort for the home garden. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); by express, pk., $2.25; bu., $8.00.**

WARDWELL'S WAX

In the prairie soils of the west, gives exceptionaly fine results; but in some other localities is inclined to rust, the pods are uniformly 7-inches long, flat brittle, entirely stringless, straight, finely shaped, and beautiful yellow color, making them quite distinct and attractive. This is a fine yielder, and for either home or market garden has merit that gives satisfaction. **Pkt., 10c; qt., 20c (by mail, 28c); qt., 35c (by mail, 50c); by express, pk., $2.25; bu., $8.00.**

IMPROVED GOLDEN WAX

A medium early variety and a heavy cropper, on vines of vigorous bushy growth, with good rust-resisting nature. The pods are golden yellow, fleshy and solid, brittle, waxy texture and have an exquisitely rich butter flavor, excellent for home and market garden. May be sown any time to early fall with the assurance of a good crop. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); by express, pk., $2.25; bu., $8.00.**



WARDWELL'S WAX

IMPROVED GOLDEN WAX

MOST POPULAR MARKET GARDEN BEAN

HAS DISTINCT BUTTER FLAVOR

IMPROVED GOLDEN WAX

OTHER KINDS

CURRIE'S RUST-PROOF GOLDEN WAX

Is early, very hardy and nearly rust-proof. The pods are long golden yellow and are crisp, tender and fine eating—the seeds are black; this variety is extensively used. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); by express, pk., $1.90; bu., $7.00.**

HODSON WAX

The greatest yielder of all garden varieties. Season medium early vines bear a mass of long straight pods, resembling the Davis Wax in shape and quality; a remarkable wax bean. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 30c (by mail, 45c); by express, pk., $1.90; bu., $7.00.**

Our Bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express these packages contain more seed. The prices below, except for packets, do not include postage. If to go by mail, add 8c per pint or 15c per quart.

	Pkt.	Pt.	Qt.	Pk.
CHALLENGE BLACK WAX. Early; pods tender and stringless; seeds black	$0.10	$0.20	$0.35	$2.15
STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle	.10	.20	.35	2.40
PROLIFIC BLACK WAX. Very early; prolific long pod	.10	.20	.35	2.15
VALENTINE WAX. Second early, prolific; pods yellow	$0.10	$0.15	$0.30	$1.90
GOLDEN EYE WAX. 18 inches. Early, large flat pods	.10	.15	.30	1.85
FLAGEOLET WAX. Resists rust; pods large flat yellow	.10	.20	.35	2.25
YOSEMITE WAX. Exhibition variety. Pods thick, 10 to 12 inches long, golden yellow	.10	.25	.45	
HORTICULTURAL WAX. New. A very desirable early bean for market	.10	.20	.35	1.85
MONSTER STRINGLESS. Stringless. Largest pod of the bush varieties	Crop Failure			

SUPERB BEANS

present knowledge of the laws of breeding permit. **CONSULT US FOR SPECIAL INFORMATION ON BEANS.**

In green pod beans the following will give you fine variety and keep you well supplied. **EARLIEST VALENTINE** first early. **STRINGLESS GREEN POD, Longfellow, FULL MEASURE (NEW)** round pods; **BOUNTIFUL STRINGLESS,** in the flat pod varieties. For market gardeners, mainly **VALENTINE, LONGFELLOW, BLACK VALENTINE, REFUGEE.**

STRINGLESS GREEN POD

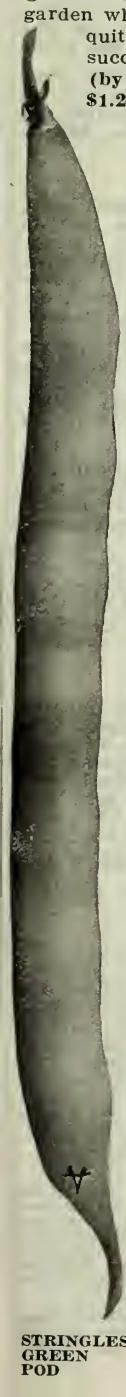
Early and very prolific; long, round, straight, thick, meaty pods, entirely free from strings or fiber, of rich deep green color, they are very attractive, and excellent quality has given them many seasons of ever growing popularity. It is now a great leader and staple for general purposes. In the garden where green pod beans are desired this sort is quite indispensable. Plant every two weeks for succession until September. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., $1.25; pk., $2.25; bu., $8.00.**

GIANT STRINGLESS GREEN POD

An immense type of Improved Earliest Valentine, and nearly as early. The pods have all the excellent qualities of the original, with the advantage of much greater size, which enhances their appearance greatly. With stringless green pod for succession this is a splendid sort to plant. **Pkt., 10c; qt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., $1.15; pk., $2.00; bu., $7.50.**

LONGFELLOW—(Round Pod)

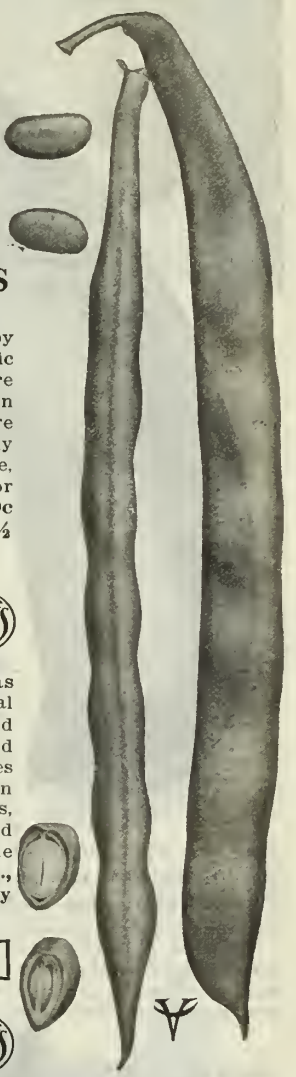
Very handsome, nearly stringless, beautiful, soft green pods, 7 to 8 inches long, straight and round, are borne on very prolific vines. These elegant appearing pods are delicious when cooked, and are unexcelled for the home garden, they ripen uniformly (an early 6-weeks), plants are 14 to 16 inches high—for market gardeners this is a most profitable sort. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., $1.10; pk., $1.90; bu., $7.00.**



STRINGLESS GREEN POD

GREEN SORTS

VAUGHAN'S BOUNTIFUL STRINGLESS



BOUNTIFUL STRINGLESS

—Flat Pod

A "Long Yellow Six Weeks," improved by earlier growth, hardiness, and more prolific yield. The pods are better, larger, more tender than the original, and in addition are very handsome, an important feature for exhibitions. They have a distinctly fine quality which makes them desirable, useful and profitable for either home or market garden planting. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., $1.15; pk., $2.00; bu., $7.50.**

BLACK VALENTINE.

Is one of Vaughan's Seed Store specials, which has developed great popularity, it has many good qualities to recommend it. It is not as early as "Improved Red Valentine," the original strain, from which this was developed and improved, but it is suited to both **early** and **late planting,** as its hardy nature overcomes light frost. The pods are a third longer than Red Valentine and grow in great clusters, perfectly straight and round. All around splendid qualities and fine appearance make it a grand sort for market gardeners. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); pk., $1.90; bu., $7.00.**

For Stringless Refugee see novelty pages.

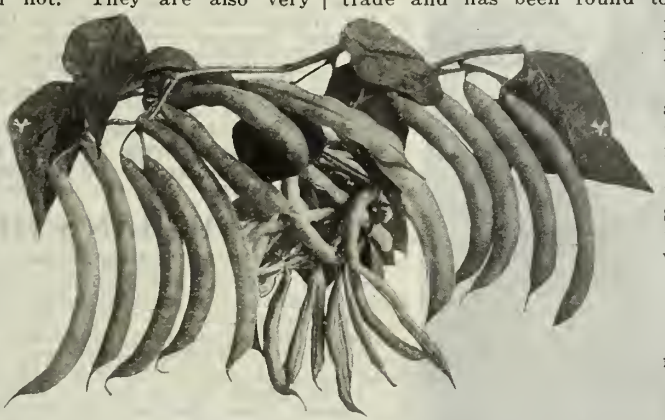
IMPROVED RED VALENTINE

Is very hardy and germinates in cold ground where other sorts would not. They are also very early; vines about 15-inches high, yield well, pods are round and fleshy, eaten young are of good quality; the seeds are red spotted.

The demand for a hardy early bean of good quality has made an established reputation for this excellent standard sort.

For market garden and home use it is an early, easy winner of trade and has been found to be profitable as it has always been dependable. This splendid variety is offered in the greatest confidence, by Vaughan's Seed Store that it will always make good. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); pk., $1.75; bu., $6.50.**

Buy Early Plant Early



RED VALENTINE—The Earliest Green Pod Bean

REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared to Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); pk., $2.00; bu., $7.50.**

FULL MEASURE GREEN POD.

A new main crop variety of bush bean—a Stringless, Round, Green Pod Bean. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail 50c); pk., $1.90; bu., $7.50.**

OTHER LEADING SORTS

Any of the following, per pkt., 10c.
The prices, except for packets, do not include postage; if by mail, add 8c to the pint and 15c to the quart prices.

	Pt.	Qt.	Pk.	Bu.
EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier	$0.15	$0.30	$1.75	$6.50
BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class	.25	.45	2.25	8.50
DWARF HORTICULTURAL. Late Heavy yielding. Flat yellow pods spotted with red	.20	.35	2.25	8.00
EARLY MOHAWK. Productive, long flat pods. Early, rather stringy	.15	.30	1.60	6.00
EARLY ROUND POD. Six weeks. Early sort for market. Good yielder.	.15	.30	1.60	6.00
EARLY YELLOW. Six weeks. Similar to round sort, with flat pods	.15	.30	1.75	6.50
IMPROVED NAVY. Fine field sort	.15	.25	1.00	3.75
WHITE KIDNEY. For shell beans	.15	.25	1.25	4.75
RED KIDNEY. For same use as white	.15	.25	1.25	4.75
TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; ½ pt., 20c	.40	.75	....	....
WHITE MARROW. Good shell bean	.15	.25	1.25	4.75

NEW WONDER BUSH LIMA

For Parcel Post Rates See Page 58

LIMA AND

NEW WONDER BUSH LIMA

Is the recognized standard of the large seeded bush limas; the highest expert authorities so regard it, and the popular favor with which Vaughan's strain of this valuable sort has been received is proof that, for general purposes Vaughan's is superior. The plants are large, compact, long bearing and very prolific, and mature in mid-season, the pods are slightly curved, large, uniform, and usually contain three seeds. The original of this was one of the first types of Bush Limas, over which this is a great improvement in compactness, earliness and less tendency to make runners. **Pkt., 10c; pt., 20c (by mail 28c); qt., 40c (by mail 55c); ½ pk., $1.50; pk., $2.75; bu., $10.00.**

BUSH LIMA—Burpee's. A true bush form of large White lima, bush 15 to 20 inches high, 24 to 30 inches diameter; its thick stems furnishing abundant support; it is very productive, and of unsurpassed quality. **Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 50c). By express: ½ pk., $1.40; pk., $2.50; bu., $9.00.**

BUSH LIMA—Henderson. The earliest of all true limas; a reliable cropper, very productive, of compact form and free from mildew. **Pkt., 10c; pt., 20c (by mail 28c); qt., 30c (by mail 45c). By express: ½ pk., $1.10; pk., $2.00; bu., $7.50.**

BUSH LIMA—Dreer's. A dwarf variety of Dreer's Improved Lima; very prolific, often 150 to 200 pods on a single plant, each pod containing four or five beans of excellent flavor. Even in dry seasons it does well. **Pkt., 10c; pt., 20c (by mail 28c); qt., 40c (by mail 55c); ½ pk., $1.50; pk., $2.75; bu., $10.00.**

Fordhook Bush Lima (See Novelty Page.) Fine quality potato type, growing stiffly erect, with large pods, juicy, tender and sweet. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 50c (by mail, 65c).**

POLE LIMAS

EARLY LEVIATHAN. The most satisfactory early, having the largest pods, in this respect equaling the main crop varieties. When frost requires that an early be used, this is excellent, being as early as any. Pods grow in clusters of five to eight, filled with seeds of fine flavor. For growers of Sieberts, or Early Jersey this is excellent. **Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 50c); ½ pk., $1.25; pk., $2.25; bu., $8.00.**

IMPROVED BUSH LIMA

IMPROVED BUSH LIMA—Burpee's. — An improved type of the large seeded bush lima, pods and beans both run larger than the older varieties. The vines produce more and larger pods than New Wonder; they are also thicker and longer. This variety is a week earlier than New Wonder or Burpee's Bush Lima. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 50c (by mail 65c); 4 qts., $1.90; pk., $3.50.**

SIEBERT'S EARLY LIMA. Is hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large, tender, fleshy beans of excellent quality. **Pkt., 10c; pt., 20c (by mail 28c); qt., 30c (by mail 45c). By express: Pk., $1.85; bu., $7.00.**

KING OF THE GARDEN. A climber that blooms and produces to end of the season. Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality. **Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 60c). By express: Pk., $2.00; bu., $7.50.**

An ounce of Beet Seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

Closely allied to Beet is Swiss Chard, which is the most satisfactory vegetable for summer greens. See complete list of varieties, page 53.

VAUGHAN'S

CROSBY'S EGYPTIAN THE MOST POPULAR EARLY BEET

CROSBY'S EGYPTIAN

Bred from "Early Flat Egyptian," retains the good qualities of the original, but is improved in thickness and shape. It is very early, deep red color, almost black; smooth, flesh sweet, tender and palatable. Expert care is required in growing this variety to retain earliness, shape and color. Our strain is kept to the highest standard to meet every requirement. With this market gardeners can offer beets at a time when high prices prevail for beets of presentable size, that are right for bunching.

VAUGHAN'S SELECTED STOCK. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25. By express: 5 lbs., $5.50.
CHOICE STOCK. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S FIRE BALL

The home garden variety par excellence.

Are you gardening for profit or pleasure? In either case this beet will give you most satisfactory results. It has no superior and in some respects no equal; market gardeners who cater to particular people and fancy trade find this a winner. It is early maturing with "Crosby's Egyptian," of fine globe shape, rich deep red color, and the flesh is solid and very sweet. The tops are small, which do not permit such rapid work in bunching, but permit closer planting than larger topped sorts. This is a beet to make money by, as its handsome appearance makes it a ready seller. **Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.**

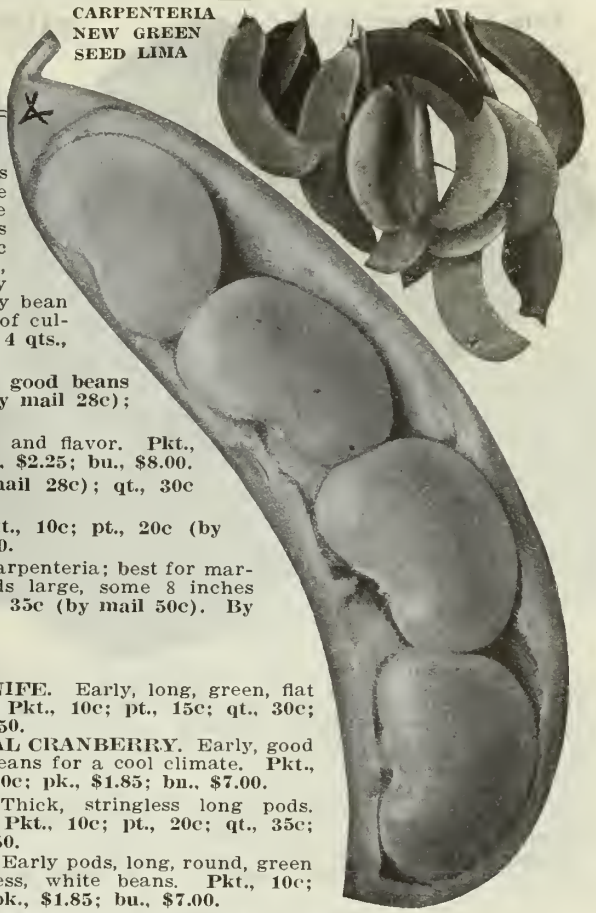
LONG SMOOTH DARK BLOOD. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

EDMAND'S EARLY. One of the best, round, well formed, has only one tap root, flesh is deep blood red, very sweet and tender. They do not grow large and coarse, have small tops, they can be planted close. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

HALF LONG BLOOD. A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red flesh, sweet, tender and crisp. Never woody. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.50.**

OUR KEY TEST. Is performed by means of damp blotters, and a proven sample of a similar variety of known germination. Thus the vitality of all our seeds is correctly determined and real percentage of growth ascertained.

POLE BEANS


CARPENTERIA NEW GREEN SEED LIMA

CARPENTERIA

"The most perfect pole Lima"; this is what experts say Vaughan's new Carpenteria is. The large handsome beans are of exceptionally fine quality, as indicated by the beautiful soft green tint they carry from the ripening period—even long after they are dry. The green tint in this new sort represents quality of the very finest. Carpenteria is as prolific as any white lima, the vines being very strong and vigorous in growth, with many large runners on which are produced an immense quantity of pods, filled with three or four, usually four, large broad beans, every bean being fat, full and juicy; this is as near perfection as present methods of culture permit. Pkt., 10c; pt., 25c (by mail, 33c); qt., 45c (by mail, 60c); 4 qts., $1.50; pk., $2.50; bu., $9.00.

FORD'S MAMMOTH. Pods average 8 inches long, contain 5 to 7 good beans edible green or dry; they grow in rich clusters. Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 50c). By express: Pk., $2.00; bu., $7.50.

CHALLENGER OR DREER'S IMPROVED. Thick pods, good size and flavor. Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 50c). By express: Pk., $2.25; bu., $8.00.

LARGE LIMA. Large attractive beans. Pkt., 10c; pt., 20c (by mail 28c); qt., 30c (by mail 45c). By express: Pk., $1.85; bu., $7.00.

EXTRA EARLY JERSEY LIMA. Old Standard, small pods. Pkt., 10c; pt., 20c (by mail 28c); qt., 30c (by mail 45c). By express: Pk., $2.00; bu., $7.50.

IDEAL POLE LIMA. Selection from the "White Lima," except Carpenteria; best for market use in central states where a main crop may be matured. Pods large, some 8 inches long; flat beans of good quality. Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 50c). By express: ½ pk., $1.25; pk., $2.25; bu., $8.00.

POLE BEANS

For mail orders add pt., 8c; qt., 15c

Need Support

EARLY GOLDEN CLUSTER WAX. Long Golden Stringless, fine quality, pods borne in clusters, large pure white seeds. Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., $9.00.

BURGER'S STRINGLESS GREEN POD. Long bearing vines, beans small and white, good for baking. Pkt., 10c; pt., 20c; qt., 35c; pk., $2.25; bu., $8.00.

SCARLET RUNNER. Good snap bean, ornamental, bright red flowers. Pkt., 10c; pt., 20c; qt., 40c; pk., $2.40.

KENTUCKY WONDER or OLD HOMESTEAD. Long, flat, green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans. Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.

DUTCH CASEKNIFE. Early, long, green, flat pods, white seed. Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $6.50.

HORTICULTURAL CRANBERRY. Early, good for snap or shell beans for a cool climate. Pkt., 10c; pt., 20c; qt., 30c; pk., $1.85; bu., $7.00.

LAZY WIFE. Thick, stringless long pods. Good shell bean. Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.

CREASEBACK. Early pods, long, round, green tender and stringless, white beans. Pkt., 10c; pt., 20c; qt., 30c; pk., $1.85; bu., $7.00.

SIX FINE FOREIGN BEANS. Giant Scarlet Runner. Fine flowers. Pkt., 10c; 3 for 25c. Two Colored Fire Bean, Pink and White Flowers. Pkt., 10c; 3 for 25c. July Pole. Fine tender pods. Pkt., 15c; 2 for 25c. French Asparagus. "Yard long" pods. Pkt., 15c; Wax Pole "Fill Basket." Pkt., 10c; 3 for 25c. New, Very Early Green Pod Pole, Pres. Roosevelt. Pkt., 10c; 3 for 25c.

BEETS

"Our early beets were extra fine this year. Vaughan's Fireball was early and the color the deepest darkest red we have ever seen—and they can't be beat for flavor."—H. C. Oven, Ovid, Mich.

CRIMSON GLOBE Second Early and Main Crop.

Is a handsome beet, a second early and main crop for market, a great favorite everywhere and very largely planted, the equal of "Detroit" in quality for home use, but earlier and not so dark. Medium size almost globe shape, free from rootlets, uniform and perfectly smooth, average size about 10 inches around, foliage small, rich purple bronze. Rich blood red flesh, slightly zoned, always sweet, tender and never stringy. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; prepaid, 5 lbs., by express, $3.50.

DETROIT DARK RED TURNIP Main Crop

Through all Western States this variety has an unequalled reputation as a top notch cropper. A perfect turnip shaped beet, with small tap root, tops small, upright, fine for market bunching, skin dark blood red, flesh bright red, fine, sweet and tender. For the home garden and market gardener this is one of the few best varieties. Our stock is fine in all respects. Vaughan's Selected Stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; by express, 5 lbs., $3.50.

VAUGHAN'S CHICAGO MARKET. A very exceptional Beet. Turnip shape, medium size, rather small top, fine tap root. A main crop variety of great merit, for the home garden. Perfect dark blood red color, the leaves of every beet are of the darkest glossy red, nearly black. A splendid keeper, does not over-grow when left in the garden, so soon as other varieties. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.25.

ARLINGTON IMPROVED. Early deep round form, medium size, dark blood red; does not become stringy; sweet and tender at all times. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

BASSANO EARLY FLAT RED. One of the earliest, flesh tender, white and rose in color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.

DEWING'S EARLY BLOOD TURNIP. Good color, medium size, smooth and handsome. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.

EARLY ECLIPSE. Roots globular, small tap root, very small collar. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; 5 lbs., $3.50.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark red rich crimson, flesh zoned. Flavor delicate, rich and sugary. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.50.

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.

DETROIT DARK RED TURNIP
A Main Crop in the Home Garden

LONG SMOOTH DARK BLOOD

See Page 142 for Mangels, Sugar Beets, (Stock Roots).

EARLY JERSEY WAKEFIELD

VAUGHAN'S SELECTED STOCK

VAUGHAN'S

EARLY OBLONG VARIETIES
EARLY JERSEY WAKEFIELD

Our strain of this most popular sort combines in the highest degree the essential features so important in an extensively planted variety. Earliness and hard-heading qualities in this sort are of utmost importance to the planter; with the greatest care in growing, testing, cleaning and trials, we have produced seed to which we are confident none is superior.

This is the best extra early oblong, conical-shaped head variety for planting in the United States; more seed is planted of this sort than of all others of the same type. The small outside leaves permit close planting.

Vaughan's Selected, American Grown. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 ozs. 50c, ¼ lb. 80c, lb. $3.00.

LARGE JERSEY or CHARLESTON WAKEFIELD
Has uniform heads much larger than Early Wakefield, and matures a few days later. Does as well on clay ground as on other soil. Very popular with Southern gardeners. **Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.**

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.85.**

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield—and matures a short time later. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLIEST ETAMPES—Not quite so hard but fully as large as Express, which it resembles. Exeellent quality. Sold as "Earliest of all," "Wonderful," etc. Buy Vaughan's Seed to get best quality. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLY YORK—Heart shape, small head, firm and tender, may be planted 15 to 18 inches apart. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.70.**

EARLY ALL HEAD

FLAT AND ROUND SORTS

ALL HEAD or FAULTLESS. For general purposes is the best; the amateur who plants only one variety should select this. It matures large heads uniform and of handsome appearance and of quality equaled only by "All Seasons." Its few outer leaves permit close planting; this variety is most popular amongst Kraut growers, because the largest possible tonnage per acre may be produced. Our seed is grown for us by the originator on Long Island. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

EARLY FLAT DUTCH—Standard early, sure solid header, weight 10 to 12 pounds each, even size. Mature about same time as Early Summer. One of the best second earlies. Stands long without bursting. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.**

NEW EARLY FLATHEAD—(New Early Spring.) Has the thick heavy leaves of "Jersey Wakefield," from which it is a product crossed with "Succession." The leaves are slightly rounded, season about same as Wakefield; of dwarf habit with few outside leaves. **Pkt. 5c, ½ oz. 12c, 2 ozs. 35c, ¼ lb. 70c, lb. $2.60.**

EARLY SPRING
Is the same type and almost as early as "Jersey Wakefield," its shape is round slightly flattened on top; it is smaller than "Early All Head," heads become very solid even before the full size of the cabbage is attained. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 65c, lb. $2.25.**

EARLY SUMMER
The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue. Its quality and handsomeness secure for it ready sale. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.**

The best is the cheapest, therefore buy Vaughan's Seeds and be assured of a good garden and an abundant harvest before you sow a seed.

SUCCESSION.

SUCCESSION

About two weeks later than early summer, heads are large and slightly flatter than the above variety and run more uniform. The heads are solid, keep well and are of splendid quality, the color is a beautiful light green. This, as a second early, is a favorite with market gardeners. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

FOTTLER'S BRUNSWICK DRUMHEAD. Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as **Second Early** and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green color. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

NOTE.
Slug Shot kills cabbage worms absolutely—can be used without danger. 5 lbs. 40c, 10 lbs. 60c, 25 to 50 lbs., 5c per lb.

EARLY SUMMER

CABBAGES

FLAT AND ROUND SORTS.

VAUGHAN'S ALL SEASONS

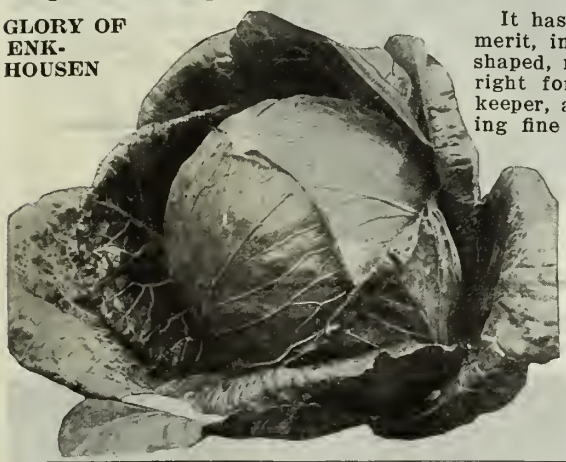
A cabbage that is really early, yet is suited to all growing seasons, as under the most adverse conditions it is almost a sure header, even when planted very late it keeps well, and is of much better quality than the **big-ribbed winter** sorts. The heads are large and solid, the leaves **small ribbed** and the eating quality is not excelled in the cabbage line. The heads are larger and mature about as early as "Early Summer." At our trial grounds these characteristics have been decidedly noticeable when making comparisons with other varieties grown side by side. **Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.**

GLORY OF ENKHOUSEN

A Valuable Early Variety

Has become a remarkably popular early, and is regarded as amongst the most important introductions in the cabbage line for some years.

It is a splendid sort for the private garden and market gardener who grows for high-class trade.



GLORY OF ENK-HOUSEN

It has received popular favor on account of exceptional merit, in several important points. The heads are globe-shaped, medium size, and handsome dark-green color, just right for market; it is sure heading and is a splendid keeper, and early. The quality is excellent, the leaves being fine ribbed. The outer leaves fold close, permitting close planting. This variety has been tried in many market growing centers, and results have made the growers most enthusiastic, and given it great popularity in a comparatively short time; it is now standard. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

Plant Copenhagen Market, a new first early, flathead variety, good keeper, high quality, small outside leaves permitting close planting. See novelty pages for full description. Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. $1.25, lb. $4.10.

DANISH SUMMER BALLHEAD.

It is a second early, hard, long keeping and of superb quality, it resembles the winter Ballhead closely, but is smaller and on the top slightly flat; the outer leaves show traces of curliness, and have a delicate flavor suggestive of savoy cabbage, the ribs are very fine in the leaves, the color of which is light green. This cabbage is taking a place among Earlies, as "Danish Ballhead" has among the later sorts. **Pkt. 10c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 70c, lb. $2.60.**

MAIN CROP VARIETIES

DANISH BALLHEAD

VAUGHAN'S SELECTED STOCK

This is the most popular of all late varieties for winter use. The seed we offer is grown on Amagar Island, Denmark, and is, not only **genuine**, but also of the **highest standard of quality.** Many trials have proven the superiority of Danish grown seed, of this strain, over that produced in other countries.

The Ballhead we offer is the **tall-stemmed strain,** so distinguishable from the short-stemmed "Hollander," or the "Dwarf Amagar," the Danish grown strain of the "Hollander." Because of its great solidity of head, and its unequaled keeping and shipping qualities, Danish Ballhead has supplanted nearly all other varieties for winter use. The heads are the right market size—not too large, very hard and heavy, weighing a fourth more than other varieties of equal size, the leaves are fine grained and deliciously tender. The strain we offer is the highest bred there is, always reliable, true and uniform. **Pkt. 10c, ½ oz. 20c, 1 oz. 35c, ¼ lb. 85c, lb. $3.**

PREMIUM FLAT DUTCH

PREMIUM FLAT DUTCH

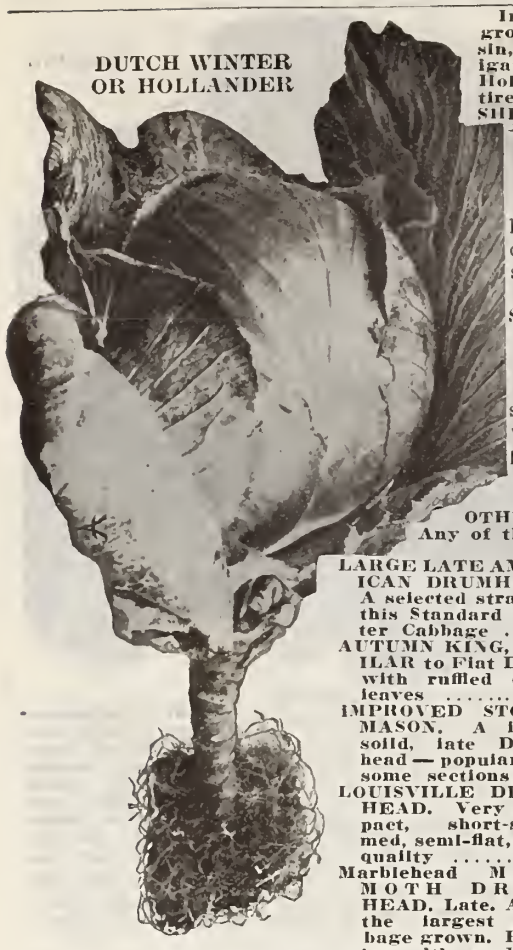
Of the **Flat-head** varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hotbeds. Our seed produces immense, solid heads, uniform, true, and of finest and delicious quality. **Pkt. 5c, ½ oz. 12c, oz. 20c, 2 ozs. 35c, ¼ lb. 60c, lb. $2.10, postpaid. By express, 5 lbs. $9.50.**

BOOKS FREE WITH ORDERS.
Vaughan's Vegetable Garden Book with $1.00 vegetable seed order.
Vaughan's Vegetable Cook Book with $1.00 vegetable seed order.

DANISH BALL-HEAD. THE ACME OF CABBAGE QUALITY

Danish Ball-Head, the most popular winter cabbage. Genuine Danish seed raised on Amagar Island, Denmark.

DUTCH WINTER OR HOLLANDER



In the famous cabbage growing district of Wisconsin, Central New York, Michigan, etc., Dutch Winter or Hollander is used almost entirely. IT IS AN EXCELLENT SHIPPER.

VAUGHAN'S

DUTCH WINTER OR HOLLANDER

Is the best of cabbages for late spring sales, no other will sell against it. The heads are medium size, averaging about 8 lbs., very solid, a distinct, fine, white color, good quality. They are uniformly excellent keepers, often they are as solid and perfect when taken out in the spring as when put away in the fall.

Vaughan's Extra selected stock. Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 85c, lb. $3.00, postpaid. By express, 5 lbs. $14.00.

DWARF AMAGAR OR SHORT-STEMMED DANISH BALLHEAD

A variety almost identical with Dutch Winter or Hollander. We import our seed of this direct from Amager Island, Denmark. One-year-old proven stock, if wanted. Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 85c, lb. $3.00, postpaid. By express, 5 lbs. $14.00.

OTHER GOOD SORTS.

Any of the Following, Pkt. 5c.	oz.	¼ lb.	lb
LARGE LATE AMERICAN DRUMHEAD. A selected strain of this Standard Winter Cabbage	$0.20	$0.60	$2.00
AUTUMN KING, SIMILAR to Flat Dutch with ruffled outer leaves	.20	.60	2.10
IMPROVED STONE-MASON. A large, solid, late Drumhead — popular in some sections	.20	.60	2.10
LOUISVILLE DRUMHEAD. Very compact, short-stemmed, semi-flat, good quality	.20	.60	2.10
Marblehead MAMMOTH DRUMHEAD. Late. About the largest cabbage grown. Popular with gardeners	.20	.60	2.10

→ VAUGHAN'S BRIDGEPORT

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over twenty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection; a field of them is more uniform than any other sort.

← SOLID HEAD

A Money-Maker For Market Gardeners

Carrots require a deep well worked soil. Seed—four pounds to the acre.

LONDON MARKET. Surpassing flavor, very crisp flesh, yet tender without a pithy heart. Pkt. 10c, oz. 20c, ¼ lb. 35c, 1 lb. $1.25.

VAUGHAN'S

VAUGHAN'S SELECT DANVERS.

The greatest proof of the popularity of this strain is found in the fact that, whenever we have been able to supply the demands made upon us for seed, it has been planted to the exclusion of almost all other sorts.

This has been the situation for more than twenty years. Our strain is widely known and planted, and has continued to grow in popular favor year after year. The reason for this increasing popularity is due to its uniform, combined excellencies, rather than to one specially good point, as is the case with some other sorts. While some varieties of carrots attract attention because of extreme sweetness, color or other quality, Vaughan's Selected Danvers, without being extreme in any, possesses all to a singularly high degree of perfection.

Then the yield is greater per acre than any other sort, and it is a marketable crop. The size, shape, color, flavor and sweetness are all ideal. Pkt. 10c, oz. 25c, ¼ lb. 40c, lb. $1.40, postpaid. By express, 5 lbs. $6.00.

VAUGHAN'S CHICAGO FORCING, A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a **forcing** sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart. Pkt. 10c, oz. 20c, ¼ lb. 45c.

OX HEART

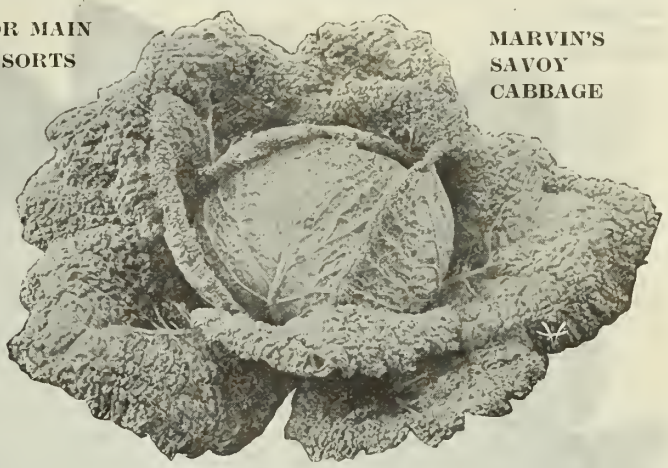
GUERANDE or OX HEART

Home and market gardeners find this an excellent variety to plant. It grows very rapidly and attains a weight of more than one pound. We recommend this carrot as possessing qualities of exceptional merit. It is thick, 5 inches long, and very fine flavor, general good quality and tenderness makes it desirable. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, postpaid. By express, 5 lbs. $3.50.

VAUGHAN'S SELECT DANVERS.

CABBAGES

LATE OR MAIN CROP SORTS



MARVIN'S SAVOY CABBAGE

SURE HEAD

This variety develops large round flattened heads, which are uniform in size and weigh 10-15 pounds each. They are very solid and fine eating quality. Our strain is held in high esteem by gardeners and large growers; it is certain to head in the most unfavorable season. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

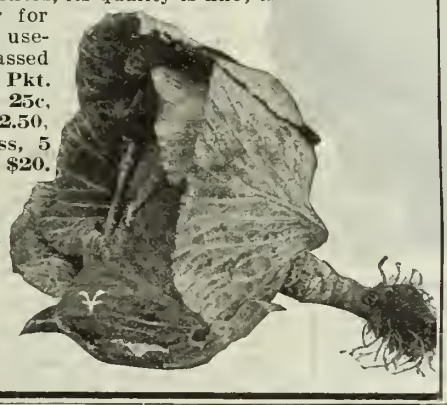
The Lupton. The habit of this variety is to develop a very large head in comparison to the size of the plant but it is not spready. It is of very strong growth, and is one of the best keepers, being bright and fresh when taken out in the spring. Our seed, grown for us by the originator, will produce cabbages of the very best type. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

DRUMHEAD CABBAGE

The excellence of this cabbage is well known by many gardeners, its quality is fine; and either for slicing for kraut, or for general purposes, its usefulness is not surpassed by any other sort. **Pkt. 10c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. $2.50, postpaid. By express, 5 lbs. $11.00, 10 lbs. $20.**

Buy Vaughan's Seeds. The Best.

FINELY BRED STEM



A Splendid Sort For General Use

RED CABBAGES

MAMMOTH ROCK RED—The best large Red Cabbage. A sure header of good red color to the center. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.

ZENITH—A very fine medium early sort. Not large, good quality and fine color. (New.) Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 55c, ¼ lb. 85c, lb. $3.00.

VAUGHAN'S BLACK DIAMOND—A new second season black red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

EARLY DARK RED ERFURT, DARK RED DUTCH, RED DRUMHEAD } **Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 50c; Pound, $2.00.**

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head, large and solid. Quality excellent. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.60.

MARVIN'S SAVOY—A large solid head, very early. An almost sure header and the most popular of this class. Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.

EARLY ULM SAVOY—A very early sort. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.85.

ALL HEAD SAVOY—Conical head, fine quality. Early and solid. Pkt. 5c, ½ oz. 15c, oz. 25c.

IMPROVED AMERICAN—Standard main crop sort. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.

CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop, plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or Early Scarlet Forcing.

For stock Carrots—Mastodon, White and Orange Belgian, see page 142.

EARLY CHANTENAY.

EARLY CHANTENAY

The Elegant Bunching Carrot.

An early main crop that appeals to market gardeners; about 6 inches long, stump rooted, very smooth, deep red, fine grained, sweet and sugary, not apt to crack open while growing; fine for table, splendid cropper. Vaughan's seed is carefully selected. **Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, postpaid. By express, 5 lbs. $3.50.**

VERY EARLY SCARLET FORCING—(French Horn). Best variety for **earliest forcing.** Reddish Orange colored roots, nearly round. When matured they are about two inches in diameter. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching. **Pkt. 5c, oz. 20c, ¼ lb. 35c, lb. $1.10.**

NANTES HALF LONG, EARLY—For extra **sweetness,** this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. **Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.**

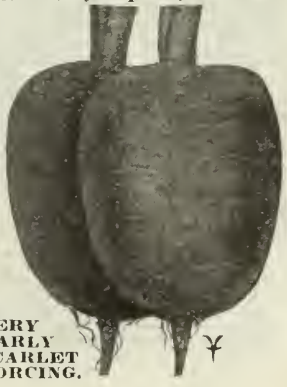
HALF LONG DANVERS—This is the stock usually bought by Seedsmen. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c; by express, 1 lb. 65c, 5 lbs. $3.00.**

IMPROVED LONG ORANGE.

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c; by express, 5 lbs. $3.00.**

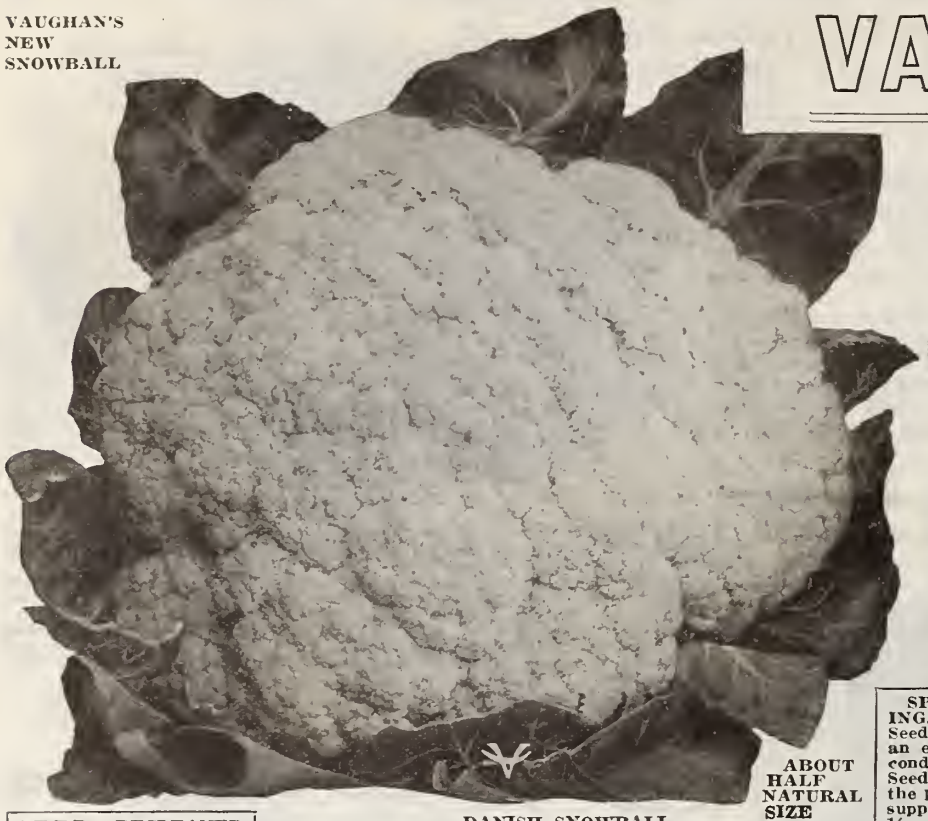
CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see **page 142.**

1 lb. Carrot Seed, Vaughan's Long Orange, for **75c,** will sow one-half acre, sufficient to produce, on good soil, 12 tons of carrots equal, in feeding value for horses or cattle, to 150 bushels of oats.



VERY EARLY SCARLET FORCING.

VAUGHAN'S NEW SNOWBALL



ABOUT HALF NATURAL SIZE

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL

An exceptional strain of Cauliflower for early out-door planting and forcing. This type is more generally planted and gives more universal satisfaction than any other sort. In size, compactness and color it is ideal for market. A well grown head will measure nine or ten inches across and have depth in proportion, very solid with a perfectly white core. The plants are dwarf—develop heads earlier than any other sort of like size. The dwarf, compact shape also uses a minimum amount of valuable space in forcing. Used with the utmost success for wintering over for the early spring crop; for forcing during the winter and spring; for early spring out-door planting, and besides, is planted extensively for the late summer and fall market. During the many years we have sold this splendid variety to hundreds of critical market gardeners, it has given uniformly the best results. **Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $9.00; lb., $32.00.**

SPECIAL ERFURT GROWN. VERY DWARF FORCING. The fame of Erfurt German Grown Cauliflower Seed is world wide. For first forcing it has never had an eqnal, but in recent years, on account of climatic conditions, there has never been enough true Erfurt Seed to supply its own local demand. Our President the past summer, when visiting Erfurt, secured a small supply from Erfurt's most famous grower. Pkt., 50c; ¼ oz., $1.75; ½ oz., $3.00; oz., $5.00.

EARLIEST DWARF ERFURT. The former standard of early cauliflowers before the advent of New Snowball. It is quite similar in all respects, but a few days later in season. Many of our customers, who are large Cauliflower growers, plant both this and Snowball, as the two varieties run in together nicely. **Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75; 2 oz., $3.50; ¼ lb., $7.00; lb., $26.00.**

SEED RECLEANED WITH SPECIAL CARE.

We maintain the highest standard of germination possible in this seed, by painstaking care in recleaning and resifting it. This gives us well matured, plump seed; by means of the care we take with this strain, its germinating power is raised 25 to 30 per cent.

DANISH SNOWBALL

A little later than Vaughan's New Snowball, but a grand second early. This splendid variety is grown with painstaking care and is thoroughly reliable. We have many satisfied market growing customers who purchase this sort year after year. Although it is not so early, nor run as even as Vaughan's New Snowball, at the price we firmly believe it is the best early cauliflower on the market.

Pkt., 10c; 3 pkts. for 25c; ½ oz., 85c; oz., $1.50; 2 oz., $2.75; ¼ lb., $5.00; lb., $20.00.

New Celery, Chicago Giant Self-Blanching. A Grand New White. See Novelty Page

VAUGHAN'S

GOLDEN SELF-BLANCHING VAUGHAN'S SELECTED STOCK

The most popular leading sort everywhere; it excels others of the yellow varieties, developing dwarfer, much larger bunches, with broad heavy stalks, which blanch into a rich, appetizing, golden yellow.

While the stalks are broader and heavier than the white varieties, the quality is very superior. The very handsome color of the crisp, tender stalks, their freedom from stringiness, and excellent flavor, make this the market favorite. Our selected stock is grown for us in France by the introducers. This is the strain used by large planters. Our regular strain grown in this country by careful, experienced growers, from our selected stock, will satisfy the most critical users. Vaughan's Golden Self-Blanching is the best. Vaughan's Select Stock: **Pkt., 15c; oz., $1.40; ¼ lb., $4.50; lb., $16.00.**

American grown: **Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75; lb., $6.50.**

VAUGHAN'S CELERY MANUAL. By a practical grower, of 20 years' experience, revised and published by J. C. Vaughan. **Price, postpaid, 25c.** Will be sent free, with a Celery Seed order of $2.00, or with any general order for other seeds, amounting to $3.00, if requested.

GOLDEN SELF-BLANCHING

GIANT GOLDEN HEART

For winter storage "Giant Golden Heart" is the best celery you can buy. This strain has enjoyed an extensive and substantial popularity ever since we introduced it, and that popularity is due entirely to the exceptional merit it possesses. It is not only the best keeper, but it is large, solid and sweet as a walnut and of a beautiful golden color. It is a selection of the "Dwarf Golden Heart," grows much larger than the parent and otherwise possesses all its other excellent qualities. **Prices: Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 60c; lb., $2.25.**

Oconomowoc, Wis.

The White Plume Celery which I received from you last year was the finest I have grown here in 17 years. I started cutting in August and used the last of 2,000 stalks during the Xmas holidays. Not one went into seed. Yours truly,

OTTO SPEIDEL.

WINTER QUEEN

A winter and spring variety with exceptional merit. **Has double the amount of heart of any known celery.** The plant is beautiful in appearance, of close habit and compact growth; blanches to a beautiful cream white. Ribs perfectly solid, crisp, and of a delicious nutty flavor. This variety is a most valuable one for winter and spring, excelling the celebrated "Perfection Heartwell" as a **late winter keeper.** It is also much thicker, stouter and heavier. It is worthy of first place as a late celery, as it will keep longer than any other variety. Grow "Winter Queen" once and you will always grow it; it is a favorite and a money maker. Prices: **Pkt., 10c; ½ oz., 15c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., $2.25.**

GIANT PASCAL

The stalks are **very large and solid,** crisp and of rich nutty flavor. **It blanches very easily and quickly.** The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from the "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of **keeping quality.** For Fall and Winter use this. It is certainly one of the best varieties owing to its splendid keeping qualities and marketableness. Prices: **Pkt., 5c; ½ oz., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.60.**

CAULIFLOWER

DRY WEATHER CAULIFLOWER

ABOUT HALF NATURAL SIZE

DRY WEATHER CAULIFLOWER

Has been produced to remove as far as possible the chances of a crop failure when weather conditions are unfavorable to the more delicately bred varieties. Where warm weather prevails with little or no cold weather, this sort is very desirable; it is a very sure header, and second early, heads larger than "Snowball," and snow white. A part of any large acreage should be planted to this. Our seed is the best, procured from the originator and grower in Denmark. **Pkt., 20c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $8.50.**

EARLIEST OF ALL

A Danish forcing strain of Snowball; slightly smaller and a week to ten days earlier than the standard Snowball. It has very short leaves and has been bred especially for first forcing under glass and in frames. Very sure heading—Pedigreed Danish Seed. **Pkt., 25c, 3 for 60c; ¼ oz., 75c; ½ oz., $1.50.**

LARGE LATE ALGIERS. A vigorous late maturing variety for late fall use. Large heads. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75.**

AUTUMN GIANT. In southern localities this meets with favor as a large heading late fall sort. **Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10; lb., $4.00.**

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. **Pkt., 5c; ½ oz. 25c; oz., 50c; ¼ lb., $1.50; lb., $6.00.**

HALF EARLY PARIS. Slightly larger and later than above. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.50; lb., $6.00.**

LENORMAND'S SHORT STEM. Rears large white head, on short stems. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.85.**

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt. **Pkt., 10c; ¼ oz., 50c; ½ oz., 85c; oz., $1.50; ¼ lb., $5.00.**

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring use. **Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.**

"CABBAGES AND CAULIFLOWERS," a valuable treatise on growing of these two articles, by **J. J. H. Gregory.** Sent postpaid for 30c.

Cauliflower is a vegetable that grows to perfection in few localities. Ideal Cauliflower seed of earlier types is produced only in Northern Europe. For nearly 20 years our stocks of this seed have been grown for us in Denmark. Conditions there are perfect.

CELERY

For Cauliflower and Other Vegetable Plants, See Page 56.

WHITE PLUME

WHITE PLUME

This variety is most widely known and highly valued by market gardeners throughout the northern country. It is the recognized best of the white varieties. The causes for the great popularity of White Plume, among consumers and gardeners, are fine flavor and general excellence of quality. This strain is remarkable for vigor, size and appearance. Its habit of growth is vigorous, uniformly white, stalks that are large, crisp, tender and fine. We do not recommend it as a keeper, but a seasonable money maker of the first class. For fall and early winter it has the endorsement of a very wide range of practical and very critical market gardeners. **Vaughan's Selected Stock. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; lb., $2.10, postpaid. Regular stock: Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.50.**

DWARF GOLDEN HEART

The heart is large, surrounded by shapely solid stalks. The heart blanches a beautiful yellow, after storing; it is so shapely and solid it requires little trimming for market; it is a long keeping Golden Dwarf of established merit, and has attained great popularity in many celery-growing centers, to such an extent that it has replaced many other well-known sorts. **Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 45c; lb., $1.60.**

STANDARD SORTS

Prices of these kinds: **Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 45c; 1 lb., $1.60, postpaid.**

PEARLE LE GRAND. A popular, extra large, fine, green celery for both early and late use. A fine winter keeper.

EVANS' TRIUMPH. One of the best late sorts. Excellent quality and good keeper.

ROSE RIBBED GOLDEN SELF-BLANCHING. (Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue. **Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.50.**

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late; very large and fine; popular in Philadelphia.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.

CRAWFORD'S OR HENDERSON'S HALF DWARF. Solid yellowish-white; nutty flavor.

GIANT WHITE SOLID. Of tall, large size; very solid; pure white.

NEW ROSE. The best of red celery, solid, crisp and ornamental.

KALAMAZOO. Half-dwarf; white and solid.

PINK PLUME. Similar to White Plume. Stalks are tinged with pink.
Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.10.

SOUP OR FLAVORING CELERY. (Old Seed.) Used for flavoring soups, stews, etc. **Oz., 5c; ¼ lb., 12c; lb., 30c.**

SOUP CELERY OR SMALLAGE. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.

CELERIAC OR TURNIP ROOTED CELERY.
See Page 28.

VAUGHAN'S RARER

Brussels Sprouts. Paris Market

BRUSSELS SPROUTS. Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPORTED DANISH—Hardy and a heavy yielder. A fine variety originated and grown in Denmark. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

PARIS MARKET—Half dwarf, excellent yielder. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

IMPROVED DWARF—Dwarf habit and less liable to aphis than others. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

Large White Mammoth—Good white heads. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

LEEK

LARGE MUSSELBURG. Enormous leaves, broad, mild and pleasant flavor. **Pkt. 5c, oz. 25c, ¼ lb. 45c, lb. $1.60.**

BULGARIAN WINTER. One of the most desirable Leeks, extremely hardy, of enormous size and tender up to a height of 15 inches. **Pkt. 10c, ½ oz. 15c, oz. 30c, 2 ozs. 50c.**

BROAD SCOTCH or LONDON FLAG. Hardy; a broad, strong plant, with broad leaves. **Pkt. 5c, oz. 25c, ¼ lb. 45c, lb. $1.60.**

ROUEN, VERY LARGE WINTER. Large excellent—best of all. **Pkt. 5c, oz. 25c, ¼ lb. 45c, lb. $1.60.**

LONG MEZIERS. One of the very best Broad, vigorous, erect leaves, long good sized stem, snow white; fine flavor; very hardy. Unsurpassed for market garden. **Pkt. 5c, oz. 25c, ¼ lb. 45c, lb. $1.60.**

LARGE MUSSELBURG LEEK

GERMAN CELERIAC, Turnip Rooted Celery

A popular German vegetable, used in salads, or boiled like Parsnips or Turnips. Very pleasant to those who like the flavor of celery, which it has. The roots keep well all winter. Celeriac deserves a much wider cultivation. Recipes for table use enclosed with seed.

NEW CELERIAC "DELICATESS." Perfectly smooth oval roots; no side-roots; never rusts. Flesh is pure white, tender; general qualities excellent. This size does very well on light soils. **Pkt. 10c, 2 Pkts. 15c, oz. 35c.**

CELERIAC, Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

CHERVIL. (Koerbel; Cerfeuil.) Similar to Parsley, handsome for garnishing. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

COLLARDS. A variety of cabbage used in Southern states. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

CORN SALAD

CORN SALAD. (Mache-Stick Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

GARDEN CRESS

CRESS OR PEPPER GRASS. (Garten Kresse; Cresson Allenois.)

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.**

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad in spring. **Pkt. 5c, ½ oz. 15c, oz. 25c.**

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. **Pkt. 10c, 3 for 25c, oz. 30c.**

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens are fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. **Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

Chicory, Witloof

EARLIEST OF ALL. Ready in June, pure white flesh, very tender. **Pkt. 10c, ½ oz. 25c, oz. 40c.**

GIANT PRAGUE. The great main crop variety; the most popular with American growers. Roots are very large, almost twice the size of Erfurt; nearly globe-shaped, smooth, with only a few roots at bottom; flavor and other qualities excellent. Common kinds of Celeriac are often small, crooked and covered with a mass of useless, unsightly roots. Giant Prague excels in appearance, size and quality. A general favorite. **Pkt. 5c, ½ oz. 15c, 1 oz. 25c, ¼ lb. 70c, 1 lb. $2.60.**

LARGE ERFURT. Standard. **Pkt. 5c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

CHICORY, WITLOOF—FRENCH ENDIVE. A European delicacy now standard in the best hotels and restaurants, for salad. It is easily grown. Plant seed in spring; Parsnip-like roots are produced; store them in sand until wanted for growing on in winter. Full directions on each package. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

CHICORY, LARGE ROOTED MAGDEBURG. Roots are cut in thick, slices, roasted and used for coffee. In Spring leaves make good salad. **Pkt. 5c, oz. 15c, ¼ lb. 50c.**

KOHLRABI

SOW SEED JUNE OR JULY, 18-IN. APART, THIN TO 12 INCHES.

Bulbs grow above ground, are stripped and cooked like Turnips, than which they are much sweeter and have finer flavor.

KING OF THE EARLIES. An extra choice strain of White Kohlrabi, very quick growth. Short leaves, very tender and fine flavor. Directions for raising and cooking with each package. **Pkt. 10c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $3.00.**

EARLY WHITE VIENNA. White and tender. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLY PURPLE VIENNA. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

SHORT TOP EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

KOHLRABI, WHITE VIENNA

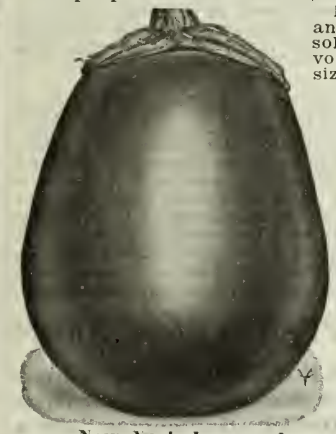
VEGETABLES

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.

EGG PLANT

VAUGHAN'S IMPROVED NEW YORK

Large purple Egg Plant "New York" is the **standard** variety of this vegetable, Vaughan's Improved New York is the highest type of this standard—entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.50.**



New York Improved

BLACK PEKIN. Fruit is round and almost black. Flesh white, solid, fine grain and delicious flavor. Early and good marketable size. **Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. $3.00.**

VERY EARLY DWARF PURPLE. Extremely early, resembles New York Improved in shape and color, but is smaller and earlier. **Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.75.**

BLACK BEAUTY. 10 to 12 days earlier than New York, it also is spineless; fruits are very attractive in form, which is broad and thick. Beautiful luster and rich purple color gives handsomeness and attraction to this variety, for northern home gardens and truckers it is most desirable. **Pkt. 10c, oz. 35c, ¼ lb. $1.00.**

BLACK BEAUTY—An Early variety, suited for northern planting.

GARLIC—Selected Bavarian

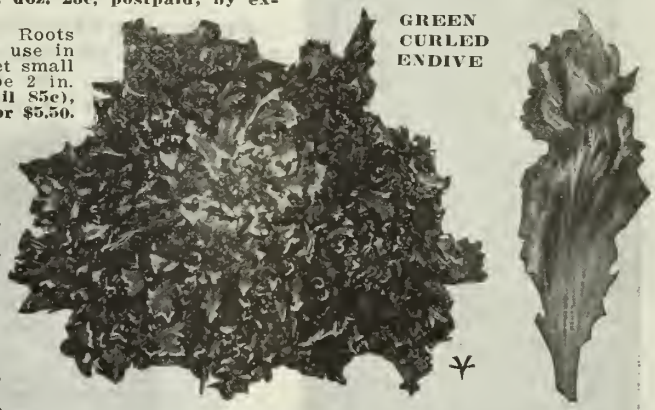
KNOBLAUCH—Ail. This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. **Lb. 25c, 3 lbs. 65c, 5 lbs. $1.00, 10 lbs. $1.85.** If by mail add 10c per lb. for postage. **☞ORDINARY GARLIC—Write for prices.**

HORSE RADISH SETS

NEW BOHEMIAN HORSE RADISH OR MALINER KREN. An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets of Roots, doz. 25c, postpaid; by express, 50 for 50c, 100 for 85c.**

ORDINARY HORSE RADISH. Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 in. under soil. **100 for 70c, (by mail 85c), 300 for $1.80, 500 for $3.00, 1,000 for $5.50.**

VAUGHAN'S VEGETABLE COOK BOOK.
Tells how to cook and use rarer Vegetables. Price, heavy paper cover, **25c**; or free to every customer who buys garden seed to the amount of $2.00 and upwards and asks for same.



GREEN CURLED ENDIVE

ENDIVE

ENDIVE SALAT—CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

GREEN CURLED WINTER. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.

STAGHORN, best for early. It does not go to seed if planted in hot-bed, then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market where it is "A money maker." **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

GIANT FRINGED OR OYSTER. Most beautiful snow white heart, fine delicate green fringe. **Pkt. 5c, oz. 10c, ¼ lb. 40c, lb. $1.40.**

MOSS CURLED. Fine sort. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

EVER WHITE CURLED. Very crisp. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.25.**

BROAD LEAVED. Slightly Curled. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

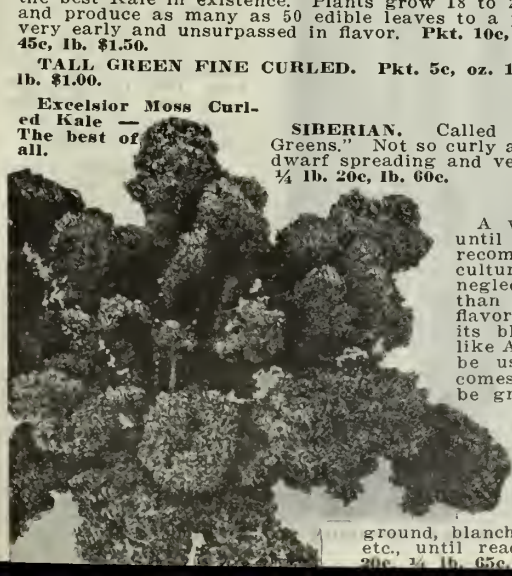
KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Much used by German-Americans.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. $1.50.**

TALL GREEN FINE CURLED. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.



Excelsior Moss Curled Kale — The best of all.

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf spreading and very hardy. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

SEA KALE

A vegetable long known but until brought into notice through recommendations of U. S. Agricultural Department, suffered neglect. Ready for use earlier than Asparagus, and combines flavor of that grass and Celery. its blanched stalks are cooked like Asparagus or the leaves may be used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings. The long tap root requires rich deep soil. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year though some reports give earlier results; as soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt. 10c, oz. 30c, ¼ lb. 65c.**

RHUBARB

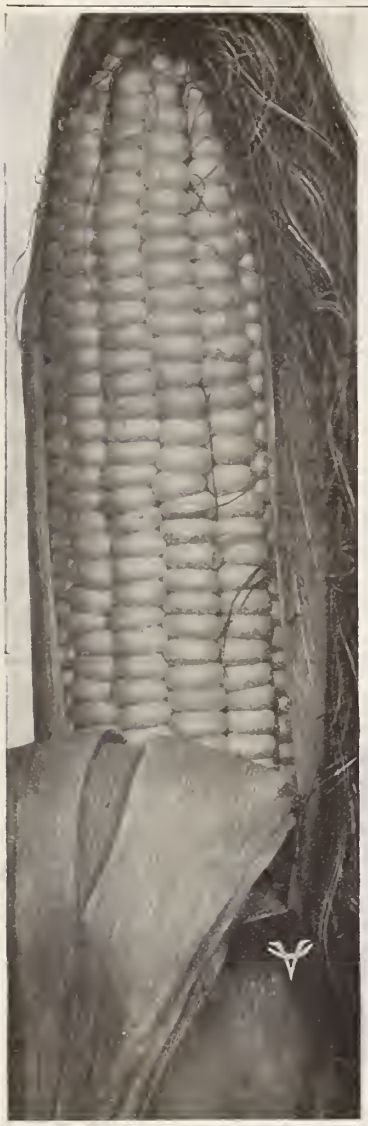
Vaughan's Mammoth. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Seed Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00, postpaid.**

Chicago Giant. This Rhubarb dwarf, bred for **large stalks and small leaves.** We have grown this for a number of years, and consider it the finest variety we have seen. **Pkt. 25c, 3 for 65c.**

Rhubarb Roots. Set in spring they will furnish leaf stalks the following season; clumps **each 15c, doz. $1.50,** not prepaid. **Small roots each 15c, doz. $1.50,** by mail, postpaid.

We can also supply for immediate effect extra large clumps at **25c to $1.00 each.** Sent by express or freight at buyer's risk.

VAUGHAN'S MAMMOTH RHUBARB



MAMMOTH WHITE CORY

FAMOUS EARLIES

VAUGHAN'S

WIDE RANGE, FINEST TYPES, TRUE SEED

MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn. The ears are as long with two to four more rows of kernels set close, so there is no loss of space in the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms in Central Michigan. No more careful selection can be practised than we use, and ears are dried in crates to insure high germination. **Pkt., 10c; pt., 15c (by mail, 20c); qt., 25c (by mail, 35c); ½ pk., 75c; pk., $1.35; bu., $5.00.**

GOLDEN BANTAM

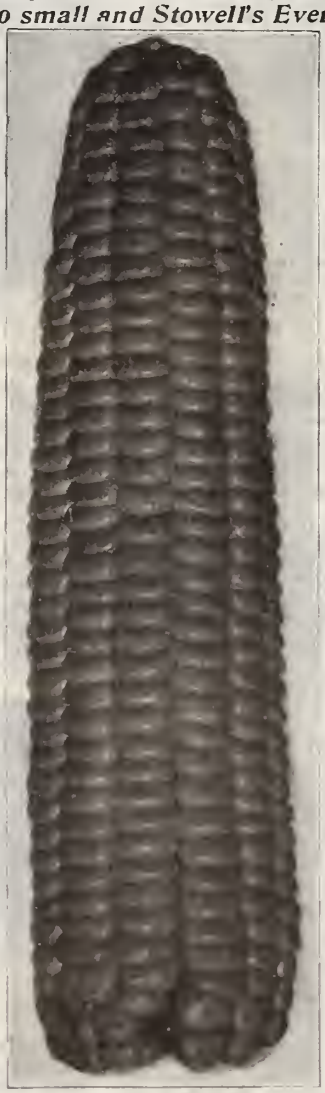
VAUGHAN'S SPECIAL

A delicious early sweet corn of superlative merit. The planting of a small patch of Golden Bantam and the resulting joy and delight of eating it fresh from the garden, when sweet corn is always at its best, has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables." A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow sort about a week later in season than Cory or the first earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. The golden kernels are lightly covered with a glossy skin, seemingly ready to burst. The rich sweetness is to be remembered—try it. Stalks medium high and with heavy foliage. Our seed is our own growing and the best we have been able to find. **Pkt., 10c; pt., 20c (by mail, 25c); qt., 30c (by mail, 40c); by express, 4 qts., 80c; pk., $1.50; bu., $5.75.**

VAUGHAN'S BANTAM EVERGREEN

EVEN SWEETER THAN THE "FAMOUS GOLDEN BANTAM." It is a cross between Stowell's Evergreen and Golden Bantam and a most successful one from all standpoints. For example—some critics regard Golden Bantam as "just a bit" too small and Stowell's Evergreen too large. To such "Bantam Evergreen" divides the difference and exactly fills the bill and besides at last affords the market gardener a "Bantam" of marketable size.

Parcel Post Rates on page 58.



GOLDEN BANTAM

EARLY CHAMPION

MALAKOFF. One of the earliest real sweet corns, a week earlier than "Mammoth White Cory." **Pkt., 10c; pt., 15c (by mail, 20c); qt., 30c (by mail, 40c); by express, 2 qts., 50c; 4 qts., 85c; pk., $1.50; bu., $5.75.**

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," ears and stalks between the sizes of Mammoth White Cory and Malakoff. **Pkt., 10c; pt., 20c (by mail, 25c); qt., 30c (by mail, 40c); by express, 2 qts., 50c; 4 qts., 80c; pk., $1.50; bu., $5.50.**

PEEP O'DAY. Similar to Malakoff, it is one of the earliest. Stalks about 3½ feet high bear usually two ears each, kernels white. We grow our seed in the north to insure earliness. **Pkt., 10c; pt., 15c (by mail, 20c); qt., 30c (by mail, 40c); ½ pk., 75c; pk., $1.35; bu., $5.00.**

PREMO. Early, fine sweet corn, medium high stalks, ears have 8 rows of good quality corn, quite hardy, may be planted early. **Pkt., 10c; pt., 15c (by mail, 20); qt., 25c (by mail, 35c); ½ pk., 70c; pk., $1.25; bu., $1.50.**

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive. **Pkt., 10c; pt., 15c (by mail, 20c); qt., 25c (by mail, 35c); ½ pk., 70c; pk., $1.25; bu., $1.50.**

METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Germinates well in cold soil, ready for use between 1st and 2d earlies. **Pkt., 10c; pt., 15c (by mail, 20c); qt., 25c (by mail, 35c); ½ pk., 75c; pk., $1.35; bu., $5.00.**

OTHER SORTS. By mail, add 5c pt., 10c qt.

	Pkt.	Pt.	Qt.	Pk.	Bu.
Early Cory, true type, red cob, good size	10c	15c	25c	$1.35	$5.00
Adam's Early	10c	15c	25c	1.00	3.50
Adam's Extra Early	10c	15c	25c	1.00	3.50

EARLY CHAMPION. Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory," the ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The cobs are medium size, quite handsome in appearance and are often borne three on a stalk. Planted by many gardeners in some localities for both early and late. Our stock is very uniform and well bred. **Pkt., 10c; pt., 15c (by mail, 20c); qt., 25c (by mail, 35c); ½ pk., 70c; pk., $1.25; bu., $4.50.**

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender. The much prized Maine canned corn is grown from this variety. **Pkt., 10c; pt., 15c (by mail 20c); qt., 25c (by mail 35c); pk., $1.25; bu., $4.50.**

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Most popular New York market variety. **Pkt., 10c; pt., 15c (by mail 20c); qt., 30c (by mail 40c); pk., $1.35; bu., $5.00.**

SWEET CORN

MAIN CROP

EACH GROWN UNDER ITS OWN IDEAL CONDITIONS

STOWELL'S EVERGREEN

This is the grand, standard main crop variety of sweet corn. The strong vigorous stalks grow 7 to 8 feet high and produce ears 8 inches long which have 16 or more rows of the finest sugary grains. The reputation of this variety for productiveness is well and long established, and the fine rich flavor and sweetness of the deep set, tender, white grains have made it the great and popular favorite it is. For market, home or canning it is always an immense success. Many years specializing with this great sweet corn enables us to say with the assurance of truth that, our stock is the best you can buy. New England grown seed develops a larger percentage of sugar than seed grown in other sections of the United States. We quote prices for New England grown seed and seed grown in the central states.

Stowell's Evergreen (Eastern Connecticut grown). Pkt., 10c; pt., 15c (by mail, 20c); qt., 30c (by mail, 40c); ½ pk., 75c; pk., $1.35; bu., $5.00.

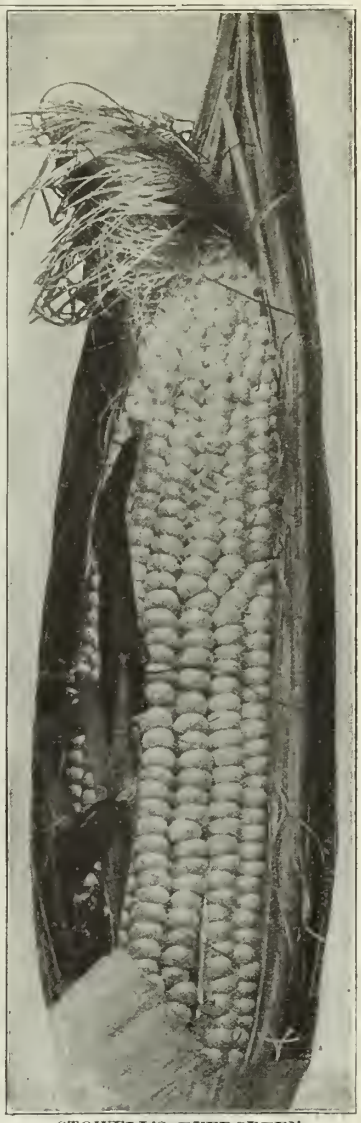
Stowell's Evergreen (Western grown Eastern Stock Seed). Pkt., 10c; pt., 15c (by mail, 20c); qt., 25c (by mail, 35c); ½ pk., 70c; pk., $1.25; bu., $1.50.

COUNTRY GENTLEMAN

Is a late main crop variety, which should find a place with every grower for home or market. It is called the sweetest corn. The ears, which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. Unlike other sorts the grains are small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet, this corn gives the greatest satisfaction to those who eat it. **Pkt., 10c; pt., 15c (by mail, 20c); qt., 30c (by mail, 40c); ½ pk., 75c; pk., $1.35; bu., $5.00.**

THE BEST SUGAR CORN. See Illustration Page 5

BRED AND GROWN IN THE HOME OF SUGAR CORN, and there in conservative New England pronounced by all who have tried it, as the sweetest corn they ever ate. The kernels are plump and full, with exceedingly tender skin, surpassing both parents in this latter respect. Like all crosses, it takes many years to breed a uniform stock. This sort now runs 80 per cent true. Pkt., 10c; ½ pt., 25c (by mail 28c); pt., 45c (by mail 50c).



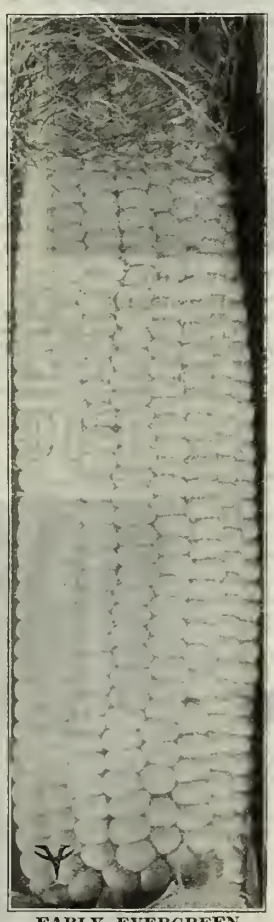
STOWELL'S EVERGREEN

EARLY EVERGREEN.

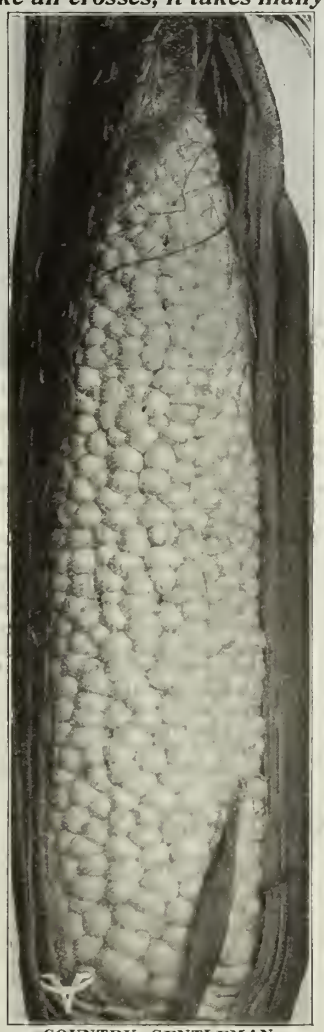
Very large ears are characteristic of this sort, it is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a more sure cropper than Stowell's Evergreen, of which this is a smaller sort. Reliable seed of this well known variety is at your command in Vaughan's Seed Store. **Pkt., 10c; pt., 15c (by mail, 20c); qt. 25c (by mail, 35c); ½ pk., 70c; pk., $1.25; bu., $4.50.**

IMPORTANT NOTE

Field and Sweet Corn Breeders are now convinced that better quality corn, higher yields, and earlier maturity are to be expected where carefully bred local seed is used, than from stock brought from a distance. This explains many controversies regarding earliest corn varieties—where each planter using his own seed had earlier corn than any he could buy. Our New York Store sells New England seed of nearly all early varieties, and our Chicago house uses Michigan, Minnesota and Ohio seeds of the same types.



EARLY EVERGREEN



COUNTRY GENTLEMAN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. **Pkt., 10c; pt., 15c (by mail 20c); qt., 25c (by mail 35c); ½ pk., 70c; pk., $1.25; bu., $4.50.**

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation. **Pkt., 10c; pt., 15c (by mail 20c); qt., 30c (by mail 40c); ½ pk., 75c; pk., $1.35; bu., $5.00.**

Pkt., any of the following, 10c. If by mail, add 5c to pint and 10c to quart prices for postage.

	Pt.	Qt.	½ Pk.	Pk.	Bu.
Kendall's Early Giant	15c	25c	70c	$1.25	$4.50
Early Mammoth	15c	25c	70c	1.25	4.50
Moore's Early Concord	15c	25c	70c	1.25	4.50
Old Colony	15c	25c	70c	1.25	4.50
Hickox	15c	25c	70c	1.25	4.50
White Evergreen	15c	30c	75c	1.35	5.00
Late Mammoth	15c	30c	75c	1.35	5.00
Perry's Hybrid	15c	25c	70c	1.25	4.50

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Special offer: **1 pkt. each (3 varieties) 25c; pint, each, 35c (by mail, 50c); quart, each, 75c (by mail, 95c).**

ABOUT TWO-THIRDS NATURAL SIZE

Cucumbers for slicing are generally of the white spine type. For general home garden use, Vaughan's Arlington White Spine in a medium sized variety and Davis Perfect in a long sort will be found very satisfactory.

ABOUT HALF NATURAL SIZE

VAUGHAN'S

STANDARD VARIETIES

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is a beautiful, symmetrical, straight type cucumber, 7 to 10 inches long; throughout its entire length, the skin is an attractive glossy dark green. It is early, a heavy yielder, tender, firm with delicious flavor, these qualities have made it a favorite. In the southern country it is planted almost universally. Vaughan's Strain of Arlington White Spine is their Standard, for both home and market garden. For northern markets it may be a trifle small, but for the home garden Vaughan's "Improved Arlington White Spine" is ideal and immensely popular. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

VAUGHAN'S BOSTON FORCING WHITE SPINE

This is the "top notch" in forcing cucumbers, as a producer it is 25 per cent better than other forcing varieties, and that it is superior in quality, is proved by the higher price it commands in New York, Philadelphia and other cities, along side of other forcing sorts. The fruits are very even and smooth, slender, with dark green skin, with whitish markings more blended than is usual. The vines are remarkably prolific and for hot-bed or green-house, and outdoor planting in southern localities, our strain of this variety is superior and profitable for growers. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

ODD CUCUMBERS

Japanese Climbing. Grows quickly on poles or trellis, takes up little room in the garden. Fruits are good size, fine flavor, especially good for slicing and salads; does best in dry warm summers. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Lemon Cucumber. Not the same as the Garden Lemon (see page 37), though similar in appearance, it is a real, luscious flavored cucumber, a worthy addition to the list. Pkt., 5c; oz., 25c.

Serpent or Snake. A curious, usually much twisted cucumber. Pkt., 5c; oz., 20c.

VAUGHAN'S ARLINGTON WHITE SPINE

CYCLONE. 3 to 4 inches long, earliest of the white spines, prolific. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

EMERALD. Smooth almost spineless, color dark green which it retains well, fine slicing quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

VAUGHAN'S BOSTON FORCING WHITE SPINE

NICHOLS MEDIUM GREEN. Old popular early sort, medium size, straight, smooth, dark green, crisp, good-flavor, for pickling and slicing; prolific vines. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

COOL AND CRISP. Fine for slicing. Early, prolific; and covered with knobs, and black spines, on dark green skin—make handsome pickles. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

PICKLING

WESTERFIELD'S CHICAGO PICKLE

One of the greatest successes in pickle seed development to date. It meets the most exacting requirements of the manufacturers of the finest kind and highest priced pickles. The maintenance of this high standard through all the years since we introduced it, is a matter of great pride with us and we never fail to give it the most scrutinizing and careful attention.

Many of the leading growers of the country are supplied by us with finely selected seed. Manufacturers willingly pay high prices for this variety because of its well known excellence for pickling purposes. When ripe the fruit is of medium size, pointed at both ends, with large prominent black spines, as pickles they are just the right shape and size. Vines set fruit when young and continue bearing longer than any other variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., $1.00.

CUCUMBERS

We supply the most critical trade with our special pickle strains. Many of the largest Picklers look to us for their entire seed supply. True to type and vigorous.

SUITED TO ALL LOCALITIES

IMPROVED LONG GREEN VAUGHAN'S SELECTED STOCK

As a cucumber, of the "**black spine**" variety, for **slicing** and for **pickles**, this is one of the very best. Vaughan's strain is a selection from "**Long Green**" improved and developed by continued re-selection. The vines of our strain are very **vigorous** and **productive**, the fruits (12 inches long) are formed almost as early as the short sorts; they are firm, crisp and have a **distinctive fine flavor** quite their own. They make excellent pickles and when yellow and **ripe**, the **best sweet** pickles. In all respects, dark green color, size, crispness and flavor this is the **best black spine variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.**

DAVIS PERFECT

Has individual points of distinction which make it exceptional amongst white spine cucumbers. Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and crisp. It is the most popular among extra long white spine cucumbers, both for indoor and outdoor planting. Its extreme vigor in growth makes it the best blight resister of the long sorts. We offer a highly superior strain—which has been continually re-selected to maintain best features in this sort. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25;. Stock seed, pkt., 15c; 2 for 25c; ½ oz., 60c; oz., $1.00.**

EXTRA LONG WHITE SPINE OR EVERGREEN

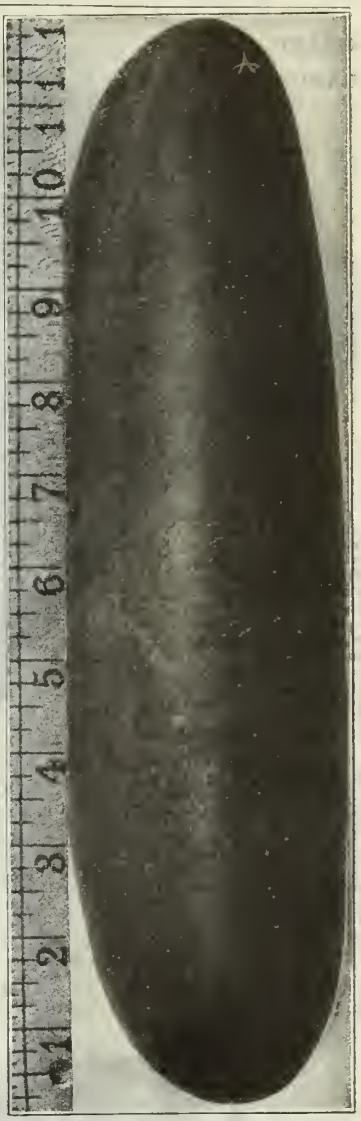
Is a **popular standard** amongst the long white spines. It is early, vigorous and prolific, **more blight-proof** than **ordinary sorts**, like "Davis perfect" in this; it is thicker than "Davis perfect," straight, smooth, dark shiny green, 8 to 12 inches long. The flesh is crisp, tender, superb in flavor. It is excellent for general market and home use. We offer a strain, the result of years of scientific trials, and re-selections from the best grown seed. **Select stock, pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

ABOUT ONE-THIRD NATURAL SIZE

EXTRA LONG WHITE SPINE

LESS THAN HALF NATURAL SIZE

DAVIS PERFECT CUCUMBER



IMPROVED LONG GREEN

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper, good dark green color, which it keeps. Fine for shipping. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

NEW CENTURY—A fine long strain of white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

FORDHOOK FAMOUS White Spine. As long as the "Davis," slightly bent, but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

CUCUMBERS

Westerfield's CHICAGO PICKLING

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end. While in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.50.**

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	10c	30c	90c
Early Cluster	5c	10c	30c	90c
Fordhook Pickling	5c	10c	30c	90c
Early Frame or Short Green	5c	10c	30c	90c

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. **Pkt., 50c.**

Prescott Wonder. Fine flavored. Good yielder. **Pkt. (50 seeds), 25c.**

Carter's Model. One of the best English varieties. Large, straight, smooth. **Pkt. (25 seeds), 25c, 3 for 65c.**

Noa's Forcing. An old standard. **Pkt., 50c.**

Vaughan's Prolific Forcing. Early, shorter than others, uniform, prolific. **Pkt. (25 seeds), 20c, 3 for 50c.**

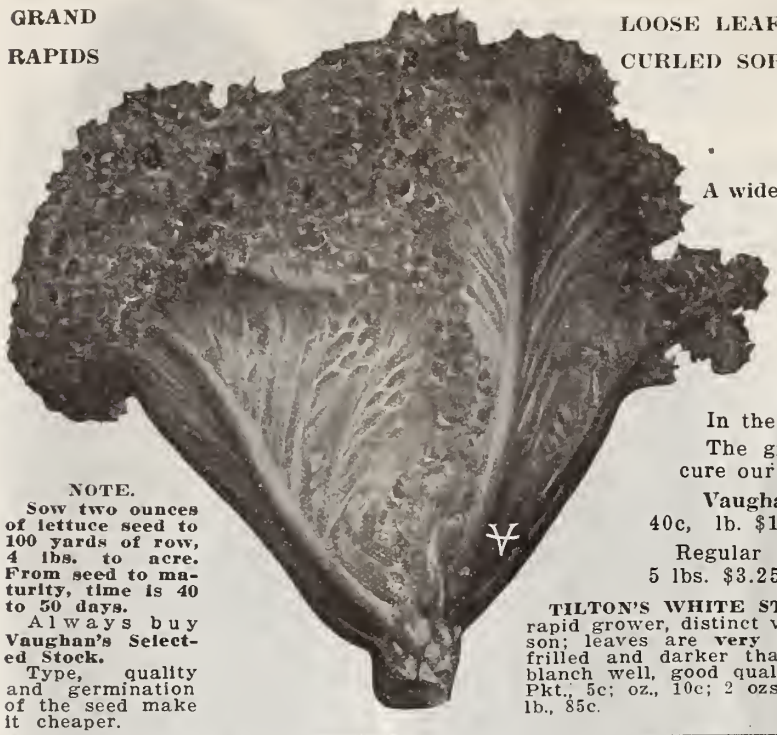
Grand Rapids Forcing. A very long American sort **Pkt. (65 seeds), 50c net.**

GRAND RAPIDS

LOOSE LEAF OR CURLED SORTS

VAUGHAN'S

SEEDS OF ONLY HIGHEST



GRAND RAPIDS

VAUGHAN'S SELECTED STOCK.

A widely known, highly favored and extensively planted variety.

DESCRIPTION.

A curly leaved lettuce of great merit, for hot-bed and greenhouse growing. Produces crisp, tender, beautiful green leaves, richly curled, sweet and delicious. The leaves develop in the shortest possible time, their upright habit requiring little room in the bed. Elegant appearance, splendid keeping, shipping and other fine qualities, make this famous **Vaughan Specialty a profit maker** for the many market gardeners who plant it.

In the home garden Grand Rapids has real winning qualities.

The greatest care and attention is given this specialty to secure our seed at the highest point of perfection.

Vaughan's Selected Stock: Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 40c, lb. $1.25, 5 lbs. $5.50.

Regular Stock: Pkt. 5c, oz. 10c, 2 ozs. 15c, ¼ lb. 25c, lb. 85c. 5 lbs. $3.25. **Vaughan's Selected Stock is cheaper.**

NOTE.
Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity, time is 40 to 50 days.
Always buy **Vaughan's Selected Stock.**
Type, quality and germination of the seed make it cheaper.

TILTON'S WHITE STAR: Large, very rapid grower, distinct variety B. S. Simpson; leaves are **very broad, thick,** less frilled and darker than B. S. Simpson; blanch well, good quality—slow to seed. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

EARLY PRIZEHEAD: Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet, and tender, splendid for home garden. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

BLONDE BEAUTY. Try this. It's worth while. A **remarkable heat resister,** excellent keeper after cutting, tender, sweet, crisp and juicy. Fine shipper. Splendid for home garden. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.00.

UNRIVALED. A light green strain of Big Boston. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.

CALIFORNIA CREAM BUTTER. One of the best **Summer varieties.** Heads good size and so solid they often have to be cut to let seed shoots appear. Beautiful appearance, crisp, rich, buttery flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

COS LETTUCE

Considered by many to be the highest type of lettuce, has distinct upright habit, very crisp and sweet.

EXPRESS COS LETTUCE

EXPRESS COS. The most dwarf and earliest of all. Delicious flavor. Self closing. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

PARIS WHITE COS. Grows to large size. Self-closing. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.10.

TRIANON COS. Similar to above, but grows whiter and matures earliest. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.10.

CABBAGE OR

VAUGHAN'S ALL SEASONS

A distinctive mid-season variety introduced by us in 1879 when it gained and has since maintained immense popular favor in northern and central climates. Around Chicago it is an unapproachable favorite.

DESCRIPTION.

Large, handsome, solid head, nearly as large as Flat Dutch Cabbage; leaves grayish green, never spotted or brownish, but are broad, and the inner ones are beautifully blanched, are thick and of decidedly buttery flavor, embodying, in fact, all implied in the term excellent. A sure header, slow to run to seed. Buy Vaughan's Introducers—selected stock—and you secure the favorite of Chicago market gardeners. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.

VAUGHAN'S ALL SEASONS

HEAT RESISTING

BUTTERY FLAVOR

MAY KING EARLY. A very **early heading** variety has long been sought **—here it is.** This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close to medium sized head, permitting close planting in frames—the heart is beautiful, appetizing yellow, very tender, excellent quality. Pkt., 5c; ½ oz., 10c; ¼ lb., 35c; lb., $1.25.

LETTUCE

LOOSE LEAF OR CURLED SORTS

QUALITY AND BEST TYPES
BLACK SEEDED SIMPSON

A loose leaf lettuce of exceptional popularity with market and home gardeners.

DESCRIPTION.

Black Seeded Simpson grows large leaves, the inner ones forming a semi-compact head, very tender, crisp, fine quality and sweet flavor. Always reliable and easily grown; the fine, crumpled, green, beautifully frilled leaves add splendid appearance to excellent quality. An all-around lettuce; under glass, in cold-frame or open ground. A sort especially suited for amateur gardeners, who may have no success with head lettuce. An unsurpassed heat resister—the amateur and market gardener's success.

Vaughan's Selected Stock: Saved from extra selected plants—Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 35c, lb. $1.25.

Very choice stock: Pkt. 5c, 2 ozs. 15c, ¼ lb. 25c, 1 lb. 85c.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

BLACK SEEDED SIMPSON

DENVER MARKET FORCING: Early, forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, forcing or open ground sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

HEAD LETTUCE

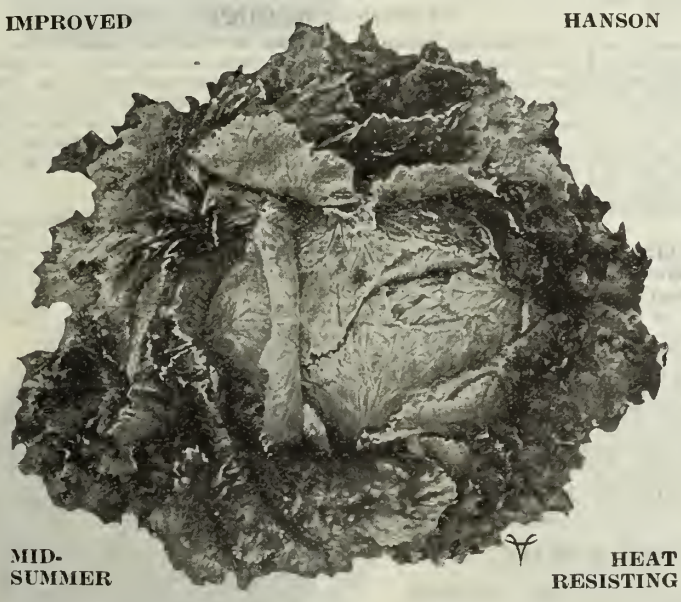
IMPROVED HANSON

An excellent lettuce of well known and highly approved quality on all markets.

DESCRIPTION.

Large, well formed, firm, globe shaped head of broad leaves, so compact that the inner ones are almost white. Leaves are beautifully curled and crinkled, very tender and sweet, outside ones are glossy green. Popular for mid-summer planting outdoors, having great heat and drought resisting qualities. Shows superior merit in central states; and is standard everywhere for home and market gardens. A sure header, always reliable. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

IMPROVED HANSON



MID-SUMMER HEAT RESISTING

ST. LOUIS BUTTER-HEAD. Extensively planted by market gardeners. Has gained great popularity since the St. Louis World's Fair in 1904; demand for it increases yearly. Large, solid head, beautiful crumpled leaves, yellow center. Vaughan's strain gives highest results. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

PERPIGNAN OR DEFIANCE excels for long standing, an uncommon quality. One of the finest new varieties, resists heat better than most others. Heads are large, firm and solid, seed shoots come through by cutting plant open. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

MAXIMUM OR IMMENSITY. A new lettuce; a wonderful heat resister; even in hottest weather it remains long without going to seed. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center, splendid quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful **golden yellow, rich buttery flavor.** Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

ICEBERG. Extremely hard heading, has finely indented leaves. Good for home or market garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

OTHER GOOD SORTS

Price: Any of the following, Pkt., 5c, oz. 10c.

Brown Dutch. Standard early, ¼ lb., 30c; lb., 90c.

Buttercup. Lightest green and most yellow of all sorts. Excellent quality. ¼ lb., 30c; lb., 90c.

Forcing Milly. Very early, ¼ lb., 25c; lb., 85c.

Giant Crystal Head. White, solid, extra quality. ¼ lb., 30c; lb., $1.00.

Giant Glacier. Largest head, ¼ lb., 30c; lb., $1.00.

Mammoth Black Seeded Butter. Large hard heads. A favorite everywhere. ¼ lb., 30c; lb., 90c.

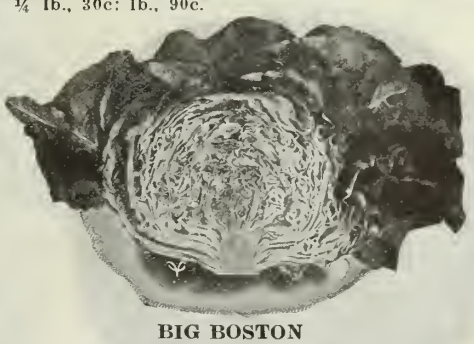
New York. Large white leaves, ¼ lb., 30c; lb., $1.00.

Salamander. Good all seasons, ¼ lb., 30c; lb., 90c.

Tennis Ball. Black seeded. One of best standard sorts. ¼ lb., 30c; lb., 90c.

Tennis Ball (Boston Market). White Seeded. A good forcing sort. ¼ lb., 30c; lb., 90c.

White Summer Cabbage. Green, very hardy, popular. ¼ lb., 30c; lb., 90c.



BIG BOSTON

Big Boston Vaughan's Selected Stock. With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is most popular; the best early large heading sort South; North, a valuable **first early.** Plants are vigorous, mature large heads of bright green leaves which are very tender. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.25.

VAUGHAN'S ORIGINAL OSAGE

VAUGHAN'S

VAUGHAN'S ORIGINAL OSAGE

The Osage is without doubt the best general purpose Muskmelon yet produced; on heavy soils where other sorts like Rocky Ford produce inferior quality fruit Osage does well and is a profit maker, and in sandy locations Osage is at home and develops handsomely, doing quite as well as in heavier soils. An Osage melon is seldom poor in quality, it holds its own rich flavor much longer than do most other sorts; a well grown Osage represents the highest quality in Muskmelons. We have always taken great pains to keep up the quality of our seed of this melon to the highest point of excellence as it is a variety in which we take pride as the introducers.

Our strain is most carefully reselected each season to conform to our ideals of quality, shape, size and vine growth, enabling us to maintain an always uniform stock.

The Osage is a large melon, about three times the size of Rocky Ford. With its well netted, dark skin, smooth salmon-colored flesh of a superb rich flavor, it stands high with growers everywhere as is evidenced by the orders we receive from the largest growers, year after year. Buy early. **Selected stock. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., $2.00.**

Regular Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.35.

PAUL ROSE OR PETOSKEY

VAUGHAN'S PAUL ROSE, OR PETOSKEY

A unique combination of the Osage and Rocky Ford melons is the later Vaughan's specialty—the **market basket** success Paul Rose muskmelon. This melon introduction of Vaughan's Seed Store, is a **basket size** melon of great merit and it fills a place in usefulness and quality distinctly individual.

Paul Rose is a melon produced by crossing "Osage" and "Rocky Ford," a grand combination which produces the highest percentage of high-class table melons of the **basket size** varieties. It has the flesh color and quality of the Osage, with a flavor entirely its own, it also has the netted skin and shape of the Rocky Ford, making it ideal to market—and it does not break-down in shipping. In season it is ten days earlier than Osage, its fine flavor, rich quality, netted skin and **basket packing size** make it a winner. **Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.60. Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., $1.00.**

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.60.**

TIP TOP. Selected Stock. A Melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, edible to the very rind. A strong grower, heavy yielder and of handsome appearance.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

TIP TOP MUSKMELON

MONTREAL MARKET or NUTMEG (Green Fleshed)

The largest of the nutmeg varieties. This melon is extensively raised near Montreal; being sown and grown on in cold frames until ready to set out. Skin is dark green in color; the ribs broad and prominent; flesh thick, luscious and melting. **Pkt., 10c: oz., 15c; ¼ lb., 15c; lb., $1.50.**

FORCING MELONS

Highest Table Quality: Suitable for Greenhouse Growing.

EMERALD GEM FORCING. Salmon flesh, early, uniform. **Pkt., 25c.**
AL SUPERB. Scarlet flesh. Crop failed.
BEST OF ALL. Green flesh.
BLENHEIM ORANGE. Scarlet flesh.
DIAMOND JUBILEE. Green flesh.
INVINCIBLE SCARLET. Scarlet flesh.
ROYAL SOVEREIGN. White flesh.
Prices of above, except where noted, each, pkt..25c.

VAUGHAN'S HOODOO MELON

(Introducer's Strain.). "As like as Peas in a pod." Read full description in novelty pages in the front of this book. The finest of the Gem type of salmon fleshed melons and just right in size to ship, and to serve, cut in two. The sweetness and flavor are the highest, nearly every fruit being of uniform fine quality, productive and early.
Select Stock: Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; lb., $2.50.
Regular Stock: Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.

MILWAUKEE MARKET

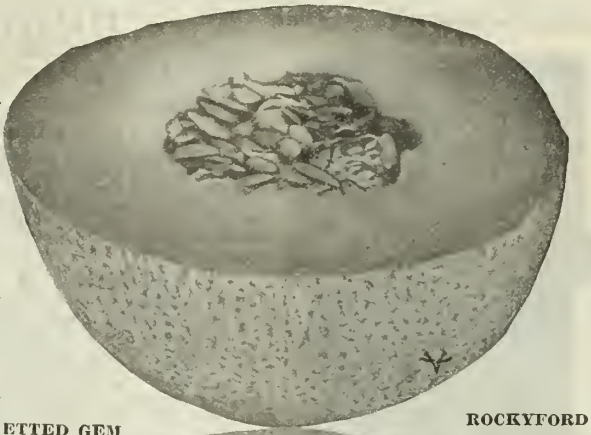
This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

MILWAUKEE MARKET

MUSKMELONS

ROCKY FORD NETTED GEM—SELECTED STOCK

This delightful melon when well grown from **high-class selected seed** is the standard of **green fleshed** muskmelon excellence. "Refreshment and pleasure are found in each delicious bite, and the exquisite flavor is almost tonic in its appetizing effect." The seed we offer is grown for us by an expert melon grower in the Rocky Ford district, Colorado. We have two grades, selected, which is saved from specimen marketable melons only, and regular, saved from a field raised for seed purposes only, from which only the off vines have been discarded. The selected stock which comes from the culled specimen melon is more uniform and produces more melons of the specimen type. The regular stock is saved from a field grown for seed, but without the time and expense of special selection having been spent upon it. The illustration on this page shows the small seed cavity, and the thick, rich, juicy flesh, which is so delicious it may be eaten to the very rind. Vaughan's Selected Stock of Rocky Ford is cheapest because best. **Vaughan's Selected Stock (from best melons). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75. Regular Stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**



NETTED GEM ROCKYFORD

VAUGHAN'S OSAGE GEM

A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as the green fleshed variety. This melon was first introduced by us under the name "Vaughan's Osage Gem." It has since become the most renowned melon of any offered on the market. The regular seed trade all have it listed under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

BENTON HARBOR GEM. A selection of the Eastern Oval Netted Gem, made by a veteran grower in the Michigan melon district. Select Seed. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.00.**

JENNY LIND

JENNY LIND. VAUGHAN'S SELECTED STOCK. A compact packer, with rind thick at ends, which are flattened and are not easily broken down when crated or basket packed for shipment. The quality is unsurpassed for eating. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardiest, most prolific of netted melons—and has fine flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00. Hackensack—late strain: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S CHICAGO MARKET

This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.40.**

SWEET-AIR—New

This is a large green fleshed Gem melon, very uniform in size, which has, in the past few years, become the popular variety around Washington, Baltimore and Philadelphia. In that region Sweet-Air produces a melon of superior flavor and commands the highest market price in preference to all other sorts. The melons are oval in shape, five to six inches across, and seven to eight inches long. The netting is good and as a crate variety it will stand long distance shipments. The flesh is thick, dark green in color with a light pink near the center. The vines are vigorous and withstand blight much better than other Gem sorts, remaining green until the fruits are fully ripened. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

OVAL NETTED GEM. The old style Gem which was in such favor before the appearance of the New Rocky Ford types. This melon often meets the Eastern conditions better than does the Rocky Ford grown seed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.**

ROUND GEM. A round selection of the netted Gem. In some sections this type is still popular. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

MANGO MELON. Vegetable Peach. Golden yellow, resembles an orange in shape and size; the flesh is snow white. They make splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Packet has cooking directions. **Large pkt., 10c; 3 for 25c.**

GARDEN LEMON. Fruits short, nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor. Best when turning yellow. **Pkt., 10c; 2 for 15c; oz., 25c.**

EXTRA EARLY HACKENSACK

EMERALD GEM.

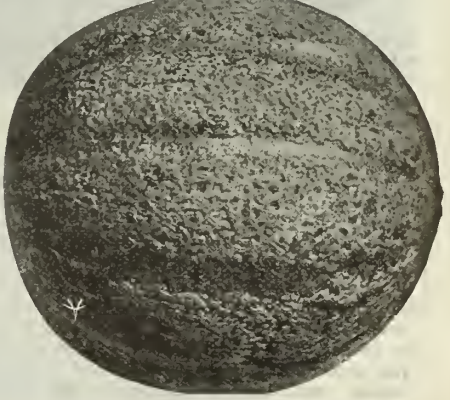
The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper, it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden. **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.25.**

THE SYRACUSE. The largest superior quality melon. Specimens weigh 6 to 9 lbs. Skin grayish green, flesh light green.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

BANANA. Cucumber shape. Delicious odor. Rather late maturing.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.40.

EXTRA EARLY NUTMEG. Nutmeg shape. Very early; green flesh.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.



THE OSAGE GEM MUSKMELON

VAUGHAN'S LIVE PURE CULTURE SPAWN

VAUGHAN'S LIVE

MAKE MONEY

GROWING MUSHROOMS

The market supply of mushrooms is not nearly great enough to meet the increasing demands of hotels, restaurants and homes for this choice table delicacy. An opportunity is, therefore, afforded for making money, to those who desire to enter this field, on a commercial scale. What we say here is for those who have an ambition to enter this field, rather than to make an unlimited appeal; for the reason that certain fundamental and rather technical principles underlie mushroom growing, which it is necessary should be thoroughly understood to attain success. There is no secret process, but much preparation is necessary and conditions must be right. Many amateurs are now growing mushrooms successfully. Results are not hard to

LAMBERT'S PURE CULTURE MUSHROOM SPAWN

This Spawn is made in America from selected Mushrooms grown under cultivation. Such Spawn is fresher than the English, which must be thoroughly dried before its long journey; the growth of American Spawn is therefore quicker and stronger than the imported. We receive monthly shipments from our manufacturer, The American Spawn Co. (Lambert), so that our Spawn is always fresh, live and strong.

We carry the pure white, brown, and cream brown varieties; known also under manufacturer's number and as Alaska, Columbian, Holland, and Bohemia.

Price—Direct Bricks, inoculated direct from Pure Cultures. Brick 40c, 5 bricks $1.75 postpaid, by express 10 bricks $2.00, 25 bricks $4.25, 100 bricks $15.00.

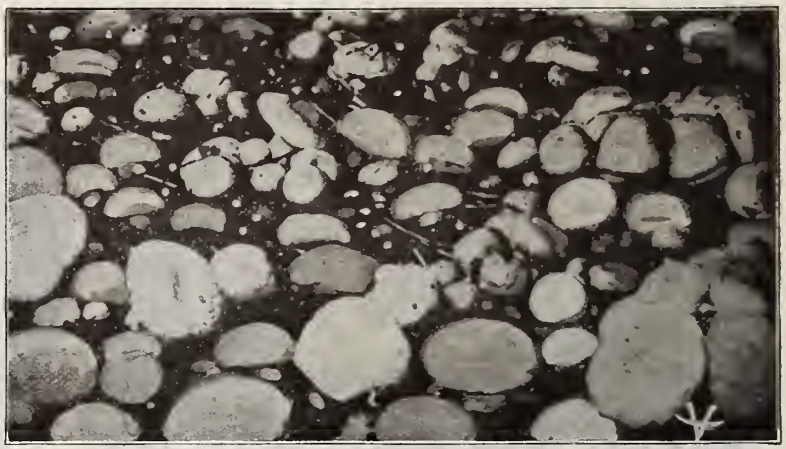
Standard Bricks, inoculated from Direct Bricks. Brick 35c, 5 bricks $1.40 postpaid; by express: brick 25c, 10 bricks $1.85, 25 bricks $3.75, 100 bricks $12.00.

FRENCH MUSHROOM SPAWN Planted for growing Button Mushrooms. **Price, per 2 lb. box, 75c; if sent by mail, $1.20.**

The same loose, per lb., 35c; if by mail, 45c; 10 lbs., $3.20.

Order Lambert's Spawn by Number.

5. Brown (Bohemia) prolific, grows in clusters.
6. White (Alaska) similar to 9, but with heavier stem.
7. Brown (Bohemia) hardy, good producer, very heavy.
8. Cream White, hardy, prolific—preferred for summer planting.
9. White (Alaska) a market favorite.
10. Light Brown (Bohemia) heavy, quite fleshy.
11. Cream (Columbia) similar to 8, but larger and slightly darker.
12. Cream (Columbia) large and very fleshy.



Make Bed in Basement or any Out-Building—Temperature 55° to 65° Fahrenheit

COLE'S EARLY

BEST EARLY WATERMELON

For market long sorts Tom Watson and Alabama Sweets are good.

VAUGHAN'S

COLE'S EARLY

In the **Northern States** Vaughan's "Cole's Early" has long been a great favorite and continues to enjoy the patronage and confidence of important home **market** growers—it is a **home** market melon. It is **early** and as such has no superior, although not well suited for shipping. For **quality** it is king, in sweet, delicious crispness, fetching flavor and melting tenderness, it stands at the top. Medium size melons, they are oblong shape, about 20 inches long, 12 inches through; skin rich green, thin brittle rind—poor shipper—but flesh appetizingly red, rich, delicious and sweet. Our seed is extensively planted in the **northern states** where it it produced, and where this melon is at home in the home garden a reliable **early**. Vines are vigorous and very productive. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express: 5 lbs., $2.85; 10 lbs., $5.25.**

NEW MELON

A Great Melon Grand Shipper

The best shipper of the long melon varieties; a combination of excellent qualities has given this great popularity in a few seasons. There is joy in every bite of the deliciously flavored, sweet, red flesh, crisp, tender and melting, so satisfying and delightful is its thirst quench-

WINTER WATERMELON

The fine keeping quality of this variety, apart from its palatable edibleness, makes it a special favorite, and gives it a special place. In a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It is **early,** (earlier than "Sweetheart"), and prolific; the flesh is red, extremely firm, almost as hard as citron, very brittle, but deliciously sweet. Skin is very light green, almost white, its shape round. Vaughan's Winter Melon will give satisfaction to those who want a winter variety. **Pkt., 10c; ½ oz., 15c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.50, postpaid.**

NEW CHILIAN

Has already attained considerable popularity although new, and is sure to advance with wider distribution. It is desirable for the home garden and is a good shipper—a fine sort for southern climates. Very attractive, of medium size, nearly round, skin-deep rich green, faintly mottled and striped, stripes of lighter shade. The flesh is bright vermillion, fine grained, very firm, very sweet and excellent flavor; a good keeper, and has white seed. **Pkt., 10c; oz., 15c; ¼ lb., 50c.**

ALABAMA SWEETS

A Southern favorite, there it grows to perfection; and is a grand shipper. It is oblong in shape, dark green skin, irregularly striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine, the seed is white. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $2.85.**

TOM WATSON

MUSHROOM SPAWN

PROFITABLE BUSINESS IN THIS LINE

obtain where a bed may be made in the basement, barn, woodshed or other (water-tight) out-buildings where an even temperature of 55 to 65 degrees Fahrenheit is maintained during the cold months. We issue a 12-page booklet "How to Grow Mushrooms," which we send free with an order for spawn, when requested. The simple instructions contained in that booklet, if carefully followed will enable any intelligent person to produce mushrooms successfully; where the first effort fails, the second is almost invariably successful. We conduct a very extensive business in this line, supplying the largest growers in the U. S. A.
—We Invite Enquiries.—

ENGLISH MUSHROOM SPAWN

This is the best English make. Our manufacturer is the oldest Mushroom grower in England and the largest in the world. It is far superior to the old English Militrack Spawn, being made from carefully grown selected specimens. This spawn is made especially for us, who handle more of this article than any one else in the United States, and we receive fresh importations eight to ten times each year. It comes in pressed bricks weighing almost 20 ounces. **Prices, per brick, 25c; 5 for $1.00, postpaid. By express or freight, per brick, 15c; two for 25c; 8 bricks, $1.00; 25 lbs., $2.00; 100 lbs., $6.50; if shipped from New York, $6.00.** Special prices on ½ ton lots and upward.

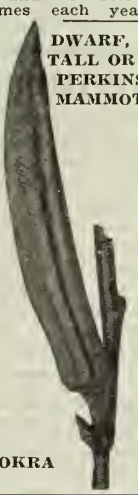
OKRA—OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

WHITE VELVET—Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or squared-holed. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

DWARF—Grows low but stocky and is very productive. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

TALL OR PERKINS MAMMOTH—The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**



DWARF, TALL OR PERKINS' MAMMOTH OKRA

MARTYNIA—For PICKLES

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

MUSTARD

The leaves make a salad or may be boiled like Spinach.

Chinese or Giant Southern Curled

The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like Spinach.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Improved Ostrich Plume.

The handsomest of the mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

White—Best for general use. **Oz., 5c; ¼ lb., 15c; lb., 40c.**

Brown—Stronger than above. Price, same as white.

VAUGHAN'S LIVE PURE CULTURE SPAWN

NOTE

The popularity of Pure Culture Spawn is increasing rapidly and many of the large commercial growers are now using this where they formerly planted the English. They claim it is a surer crop. Amateurs have much the best results with this kind. A Pure Culture, 3-page booklet, free with order of over two dollars.

"Mushrooms. How to Grow," published by Vaughan's Seed Store. A 12-page booklet, 10c postpaid. Free with a mushroom order if requested.

Mushroom Culture. How to prepare the beds and raise the Mushrooms. Robinson, best English book, cloth bound, 50c, postpaid.

WATERMELONS

For market round sorts—Black Diamond, Sweetheart, Kolb's Gem. Improved are good; for home use plant Cole's Early, Kleckley Sweets and Tom Watson.

KLECKLEY SWEETS Sweetest of All.

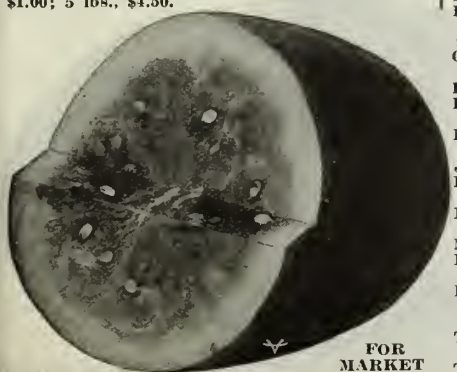
VAUGHAN'S SPECIAL

In the north is only a few days later than "Cole's Early." Vaughan's seed has been grown with this object in view and success has rewarded our efforts. There is no melon superior in quality to Vaughan's Strain of Kleckley Sweets, the bright scarlet flesh is the ideal of watermelon quality; firm, crisp, tender, without cotton or stringiness, and delicious to the last bite. It is not a good shipper, the rind being thin and brittle; has rich, dark green skin; size about 20 inches long, 10 to 12 inches through (identical with "Monte Cristo"). For home and local market gardens it is a splendid melon. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c. By express: 5 lbs., $3.25.**

BLACK DIAMOND. Runs very large, and prolific, medium early. Dark green, round or blunt oval shape, fine shipper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

TOM WATSON

ing richness it is in a class by itself. 24 inches long, 12 inches through, dark-mottled green rind which is thin but strong—and flesh can be eaten to within ½ an inch of the skin. For home, market garden or shipping it is a money maker. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; 5 lbs., $4.50.**



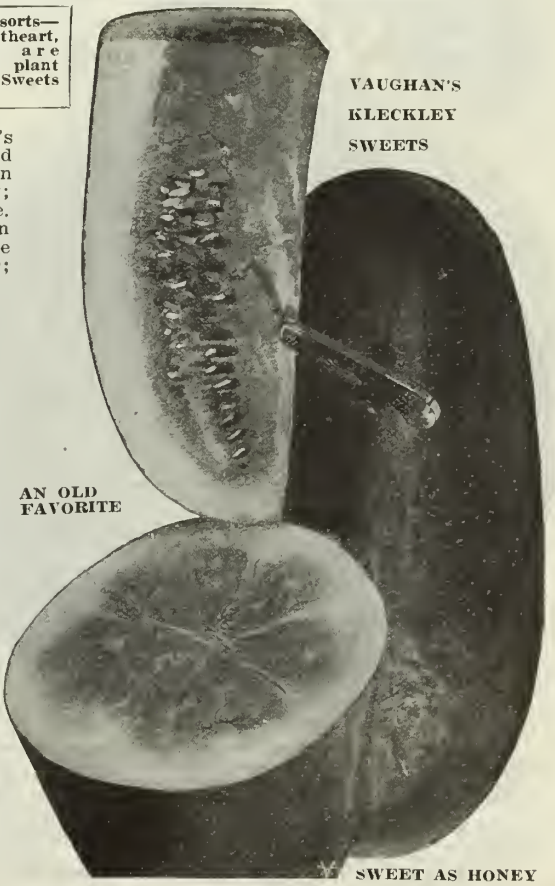
FOR MARKET

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

STANDARD VARIETIES

Any of the following (except where noted). **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c;** postpaid.

COLORADO CITRON; RED SEEDED CITRON—For preserves each. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**
CUBAN QUEEN—Late, large good.
DUKE JONES—Round, large shipper.
EARLY FORDHOOK—Earliest shipping melon.
FLORIDA FAVORITE—Long, striped.
GREY MONARCH—Oblong; very light green.
ICEBERG—Similar to Kolb's Gem.
ICE CREAM OR PEERLESS—Early fine quality home melon.
ICING, DARK—A very solid dark colored shipping sort.
JONES' JUMBO—An old favorite; large.
KOLB'S GEM, IMPROVED—A standard market shipping melon.
McIVER'S WONDERFUL SWEET—Very sweet long melon.
MOUNTAIN SWEET—Oblong; thin rind.
PHINNEY'S IMPROVED—An early medium sized oblong melon.
RATTLESNAKE OR GYPSY STRIPED—Oblong, striped and mottled; very sweet; popular South.
THE DIXIE—Old standard second early, good shipping variety.
TRIUMPH—Very dark; large shipper.



VAUGHAN'S KLECKLEY SWEETS

AN OLD FAVORITE

SWEET AS HONEY

VAUGHAN'S ONIONS

Thin Neck Pedigree Bred

Do you want to grow onions for home use, market garden or on a commercial scale? Onion growers who didn't quit last year, in spite of temporary low prices, made big profits this year. $1.00 per bushel and higher is the forecast. High grade pedigreed onions withstand low prices in markets glutted with low grade cheap stuff—the low grade is soon cleared away—then profits reward the growers of best quality onions. There is promise of good results for those who have suitable land and facilities for growing globe shaped onions this year. Globe shaped onions are most popular on all markets.

Prepare your onion soil with great care, **don't forget to cultivate in growing season;** then, other things being favorable, **if you plant Vaughan's Pedigreed Onion Seed,** you should have a profitable crop possessing these marketable qualities:

Solidity and long keeping quality.

Globes which are true to type.

Small neck, insuring against water-logged, early rotting and shrunken bulbs.

Early ripening, heavy yielding, best colors.

Beautiful Yellow Skin

Southport Red Globe

The exact counterpart of Southport Yellow Globe in shape, finely bred neck, handsome appearance, etc.; beautiful rich crimson color, large spheres, solid and firm. Seed grown by a specialist under our own supervision. **Eastern grown seed: Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75, postpaid. By express: 5 lbs. $8.00, 10 lbs. $15.50. Western grown seed: Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.60, postpaid. By express: 5 lbs. $7.25, 10 lbs. $14.00.**

OHIO RED GLOBE is an onion with fine uniform RED COLOR. Shape resembles Ohio YELLOW GLOBE. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75, 5 lbs, $8.00, 10 lbs. $15.50.**

SOUTHPORT YELLOW GLOBE

Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Sacked or barreled for market. Its size, beauty, quality and fine appearance make it a trade winner. **Eastern grown seed: Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. $1.60. By express: 5 lbs. $7.25, 10 lbs. $14.00. Western grown seed: Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.50. By express: 5 lbs. $6.75, 10 lbs. $13.00.**

VAUGHAN'S APPLE-SHAPED RED GLOBE

An ideal, small neck, dark red globe onion; sound and solid, perfect type. The seed is always grown in the eastern parts of the United States, which insures uniform rich color; California, or far western grown seed, loses the rich color so much desired. Our seed and RE-SELECTED bulbs produce this variety, unsurpassed for size, shape, color and quality. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.70, 5 lbs. $7.75, 10 lbs. $14.50.

LARGE POPULAR

To attain largest size, plant in early spring in hot bed, later transplant to open ground. This applies to all large onions.

AILSA CRAIG

AILSA CRAIG VAUGHAN'S SELECTED STOCK

The most popular large onion grown in England; with handsome appearance, fine straw colored skin, large size and great weight it is a successful competitor of imported, large Spanish onions. The bulbs are oval shaped and 12 have been known to weigh 30 lbs. They are beautiful and for large onions are splendid keepers. The flesh is mildly pungent with fine flavor. Good for eating raw. Ailsa Craig will outrank other popular ones when better known. It is unexcelled for exhibition and is a profit making high quality onion. **Pkt. 15c, ½ oz. 25c, oz. 50c, ¼ lb. $1.40, lb. $4.50.**

PRIZETAKER, AMERICAN GROWN

Exceptional among large onions for beauty and size, of the same type as the large Spanish onions imported and sold for high prices. Our American grown seed has become acclimated through many years of careful culture. Prizetaker is a yellow globe which matures to great size in the right condition, but requires a long season, and should be started early in hot bed. When properly ripened it keeps well. **Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 40c, 1 lb. $1.35, postpaid. By express, 5 lbs. $6.50, 10 lbs. $11.50.**

LARGE RED WETHERSFIELD—An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round somewhat flattened bulb of flesh, purplish mixed with white. Moderately fine grain and mild flavor. In poor soil it does best, grows a thinner neck than in strong soil. It is standard in its class, in the South and Southwest, where immense quantities are grown for market;

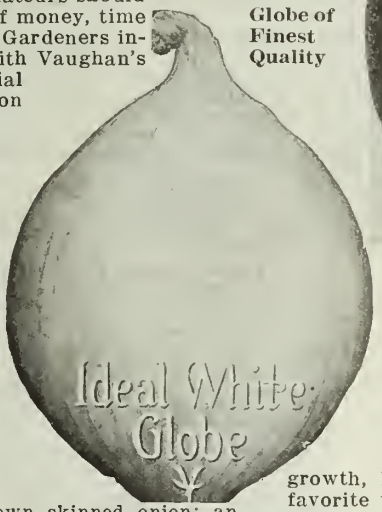
Our seed is carefully selected California grown—none better. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25, postpaid; by express—5 lbs. $5.50, 10 lbs. $10.50.**

LARGE RED WETHERSFIELD

PEDIGREED SEED

There are reasons for the superior quality of Vaughan's pedigreed onion seed. 1st, it is Eastern grown which gives best color, best shape, best keeping quality. 2nd, our seed bulbs are grown from our own carefully selected seed, year after year, and sorted for seed purposes. 3rd, different colors are sown miles apart, and stored in different houses after harvest to prevent mixtures. 4th, our seed harvest is carefully cut and dried in the husk, on racks, which secures highest possible germination.

Thorough cleaning in mills and apparatus specially made for treating onions leaves nothing undone to get the best onion seed brains, labor and money can secure. For these reasons our onion seed is the best grown. Amateurs should plant only best onion seed—Vaughan's, it is waste of money, time and labor to experiment with inferior seed. Market Gardeners increase their trade and number of business friends with Vaughan's Pedigreed Onions. Many most successful commercial onion growers plant only Vaughan's Pedigreed Onion Seed. **Buy Early—Plant Early.**



Globe of Finest Quality

IDEAL WHITE GLOBE

"Ideal White Globe" is strikingly handsome, highly recommended by expert growers for market purposes; true globe, pure white, small neck, ripening very early and evenly, fine keeper, and fine quality. This is a Vaughan high merit onion, which has no superior. Our record in supplying Chicago and western market gardeners and commercial growers is the best evidence of their success.

Eastern grown seed: Pkt. 10c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 80c, lb. $2.85, postpaid; 5 lbs. $13.50, 10 lbs. $26.50, by express.

Western grown seed: Pkt. 10c, oz. 20c, 2 ozs. 35c, ¼ lb. 70c, lb. $2.45, postpaid. By express: 5 lbs. $11.50, 10 lbs. $22.50.

Buy Early—Plant Early.

AUSTRALIAN BROWN GLOBE. A large light brown skinned onion; an average bulb 3 inches in diameter weighs about 7 ounces. Perfect globe shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. A bushel weighs many pounds more than the American varieties. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25, postpaid; 5 lbs. $5.50, 10 lbs, $10.50, by express.**

True Ideal Types

OHIO YELLOW GLOBE

Is always a quick seller at a good price. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outranks the old type Yellow Globe Danvers in popularity for general market purposes. This is a beautiful sphere of superior quality, its finely bred small neck, large bulb, solid flesh, uniform growth, heavy cropper, fine keeper, make it a favorite with growers, as its handsomeness and excellent quality make it so with consumers. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75, postpaid. By express: 5 lbs. $8.00, 10 lbs. $15.50.**

Buy Early—Plant Early.

VARIETIES

ONION SET GROWERS WRITE FOR SPECIAL PRICES.

FANCY YELLOW GLOBE DANVERS

Has many valuable qualities which make it a standard early onion that gives satisfaction to consumers and profit to growers. Almost true globe shape, beautiful yellow skin, pure white flesh of excellent quality, good size, thin neck, early. Our strain is so near to globe shape that it passes for globe and being several weeks earlier than Southport Globe offers advantage of early market higher prices. The crop ripens uniformly at one time—keeping quality very best. Our strain is selected and grown with greatest critical care. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.50, postpaid. By express: 5 lbs. $6.75, 10 lbs. $13.00.**

YELLOW FLAT DANVERS

YELLOW FLAT DANVERS is a standard onion with many splendid qualities and is a valuable general crop sort. It is a medium size bulb, quite thick through but flattened, has coppery yellow skin, thick neck, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality, and in every respect is first class where a strictly globe shaped onion is not demanded.

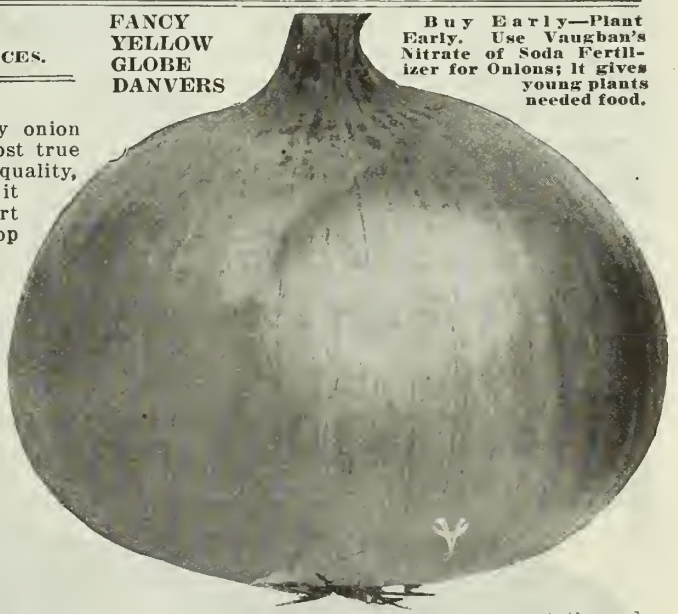
For home and market gardens it is equally popular and standard.

Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.10, postpaid. By express, 5 lbs. $4.75, 10 lbs. $9.00.

YELLOW FLAT DANVERS

FANCY YELLOW GLOBE DANVERS

Buy Early—Plant Early. Use Vaughan's Nitrate of Soda Fertilizer for Onions; it gives young plants needed food.



YELLOW GLOBE DANVERS. Same as above except these do not run as globe shaped, but color, ripening and keeping are identical. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.35, postpaid. By express, 5 lbs. $6.00, 10 lbs. $11.50.**

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weigh 2½ to 4 lbs. each. It matures early and is uniformly large and of good shape, is flat but thick. Skin is clear silver white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table. **Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.60.**

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the South, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed, **Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. $1.60.**

WHITE AND RED BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped north for early spring use. Our imported Teneriffe seed gives best results. **White. Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.75. Red, Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 60c, lb. $2.10.**

VAUGHAN'S ONIONS

WHITE PORTUGAL

WHITE PORTUGAL OR SILVERSKIN

Is a highly favored onion by the great number of planters who use it, as well as by the consuming public. It is extensively used for growing **White Onion Sets** and **Pickles**, and also for early Bunching or **Green Onions**; for either of these purposes it has highest merit. It is also grown for market as a **large White Onion**, for Fall and early Winter use. The skin is clear white, beautiful as glistening silver, bulb medium size and flat shape, fine mild flavor, and for keeping is best of the White Onion varieties. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50, postpaid. By express—5 lbs., $6.75; 10 lbs., $13.00.**

BROWN AUSTRALIAN (Flat)

An extra early, sure bottoming, long keeping variety, yielding large crops; a favorite in warm climates where ordinary large onions do not keep well. Medium size bulbs, amber brown skin, varying shades, solid white flesh, crisp, sweet, fine, mild flavor. We offer seed of the known-Vaughan's High quality standard. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**

STRASBURG OR LARGE YELLOW DUTCH

Larger and more flat than Yellow-Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**

EARLY WHITE WELSH ONION. The best kind for green onions, forms no bulb. Plants can be propagated from seed or divisions, a great saving in cost over top sets. **Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 75c; lb., $2.60.**

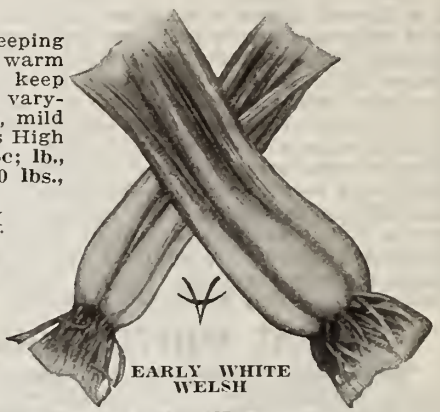
EXTRA EARLY FLAT RED

One of the **handsomest red onions**, and first to ripen; grown from Vaughan's carefully cultured seed, will ripen two weeks earlier than other strains of this variety. Our experienced eastern grower has specialized on earliness and uniform ripening. Flat, good red color, medium size. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35, postpaid. By express—5 lbs., $6.50; 10 lbs., $11.50.**

EARLY YELLOW CRACKER. The earliest of the yellow flat varieties; where seasons are short, or to meet the demands of an early market, this is a very desirable sort.

It is of excellent flavor, and good keeping quality, very desirable for sets. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**

THE BOLTON—the Onion for Sets. An early pale red variety, similar to Australian Brown, a little more uniform in color of skin and a little deeper tinge of red. It is of medium size and shaped like Flat Danvers. One of the best varieties sold. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**



EARLY WHITE WELSH

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin—not a good keeper. Excellent for **green onions**, pickles or for immediate use when grown for large onions. Flavor, very sweet and mild. **Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.85, postpaid. By express—5 lbs., $8.50; 10 lbs., $16.50.**

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned. General favorite with pickle manufacturers. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60. By express—5 lbs., $7.25; 10 lbs., $14.00.**

WHITE BARLETTA. Beautiful waxy-white color, much admired by housewives. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60, postpaid. By express—5 lbs., $7.25, 10 lbs., $14.00.**

GIANT ROCCA. A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, brown and yellow. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60, postpaid.**

YELLOW MULTIPLIER. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 60c.

ONION SET PRICES are subject to market changes which vary from day to day. Latest values on quantity lots qnoted on request.

ONION SETS

ONION SET CROP, 1913. On account of the drought during the season, the set crop is short and prices high. Sets run small but are of extra good qnality.

WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. **Pt., 15c (by mail 21c); qt., 25c (by mail 37c). By freight or express—2 qts., 45c; ½ pk., 65c; pk., $1.00; bu. (32 lbs.), $2.75.**

YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. **Pt., 15c (by mail 21c); qt., 25c (by mail 37c). By freight or express—2 qts., 45c; ½ pk., 65c; pk., $1.00; bu. (32 lbs.), $2.75.**

RED BOTTOMS. Bright, deep red in color, even and dry. **Pint, 15c (by mail 21c); qt., 25c (by mail 37c). By freight or express—2 qt., 40c; ½ pk., 60c; peck, 90c; bu. (32 lbs.), $2.50.**

SPECIAL OFFER. 1 pint each above three colors, **40c (by mail 55c); qt., each, 70c. (by mail $1.00).**

Egyptian or Red Perennial. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce Green Onions for Spring or Fall use which are perfectly hardy and stay in the gronnd all the time. **Pt., 12c (by mail 18c); qt., 20c (by mail 32c). By freight or express, pk., 60c; bu., $2.00.**

WHY ONION SETS ARE PLANTED

Onion Sets produce bulbs in one-half the time that is required by raising from seed, the planter is enabled thereby to get the **highest market price** for his **early onions**, and raise a second crop the same year.

Vaughan's Hazel Size Bottom Onion Sets

Extra selected sets measure about ⅝ inch in diameter and are uniform as it is possible to grade them. Price for White, Red or Yellow, **20c a pint, 30c a quart.** Larger quantities at quart price. Send by mail, add **6c pint, 12c quart.**

VAUGHAN'S CHICAGO ONION SETS

The handling of onion sets is one of the most important branches of our business. We ship out annually a great many carloads from our special onion set warehouse which has a capacity of 50,000 bushels.

WHITE MULTIPLIERS

For **First Early Spring Bunching** Onions, they are **pure Silvery-White**, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. The extreme earliness of this sort is most important; they are ready for table earlier than any other sort. **Pint, 20c (by mail 26c); qt., 35c (by mail 47c); ½ pk., 65c; pk., $1.10; bn., $4.00. By freight or express.**

Shallots or Yellow Multipliers. Pint, 20c (by mail 26c); qt., 30c (by mail 42c). By freight or express—½ pk., 65c; pk., 90c; bu. (32 lbs.), $3.00.

Red Spring Top Sets. These are planted to produce both early "Green Onions" and large eating onions. **Pt., 20c (by mail 26c); qt., 30c (by mail 42c). By freight or express, ½ pk. 65c; pk., $1.10; bu. (32 lbs.), $4.00.**

Yellow Potato. They produce large, dry ripe Onions, earlier than any other kind. **Pint, 20c (by mail 26c), qt., 30c (by mail 42c). By freight or express, ½ pk., 65c; pk., $1.10; bu. (32 lbs.), $4.00.**

YELLOW WHITE RED

VAUGHAN'S PEERLESS PEPPERS

VAUGHAN'S

MAGNUM DULCE

"The Salad King" of American grown sweet peppers; the largest in size, and so mild, that the sweet and piquant fruit may be eaten raw like an apple. Fried like an egg plant, it is a delicious dish.

Magnum Dulce can be grown to tremendous size, 7 inches long by 4 inches through; but to get the largest yield, instead of the largest peppers, pinch off the "king flowers," the first ones to open, which produce the largest peppers. By the practice of pinching off the king flowers you increase the yield of medium size fruits.

Our seed is most carefully grown and selected every year. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

MAGNUM DULCE

SWEET AND MILD

THE SALAD KING

NEW SWEET PEPPER

NEAPOLITAN SALAD

This new sort ripens earlier than the "Neapolitan," which was formerly the first pepper of marketable size—this is a cross between Neapolitan and "Upright Sweet Salad"—it is as large as its namesake parent; the color is light green changing to bright red when ripe. It is a great producer, the plants being loaded with fruit; when ripening a mass of beautiful red and gold is the appearance they make. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

See novelty page for Giant Crimson Pepper

NEW SWEET UPRIGHT SALAD

For use in Northern states it is the best garden variety to date. Early and so mild in flavor that even the seed may be eaten raw. The fruits are of medium size, just right for stuffing and frying. In habit the bushes are of medium height and bear the Peppers upright instead of drooping, making gathering very easy. The color of the Pepper is a bright shiny green which turns to a waxen red when ripe. Early, prolific, sweet and mild, fine size, making it all together an unsurpassed sort.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

CHINESE GIANT

This variety is double the size of Ruby King; not so large as Magnum Dulce. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "King" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick, and makes an excellent salad sliced and served like tomatoes. Color green changing to a glossy scarlet when ripe. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

VAUGHAN'S SWEET MOUNTAIN

A strong growing variety and very productive. The fruits when young are a bright, deep green color without any shade of purple; when ripe they are most handsome red. The flesh is thick and mild, though sharper than Upright Sweet Salad. The Peppers often grow 6 inches long by 4 inches through. Our seed has been very carefully selected.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., $2.10.

RUBY KING. One of the most popular varieties; growing 4½ to 6 inches long by 3½ to 4 inches thick. Peppers are a bright ruby red and make one of the best sorts for stuffed pickles. Quite sharp in flavor; the meat is thick, crisp and tender.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., $2.10.

FANCY WRINKLED. Quite distinct and ornamental; fine colors, pungent flavor. Used in pickles. **Pkt., 10c; oz., 30c.**

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe. **Pkt., 10c; 2 for 15c; oz., 25c; ¼ lb., 70c; lb., $2.50.**

	Pkt.	½ oz.	oz.	¼ lb.
BULL NOSE—Sweet Mountain is an improved type	5c	15c	25c	60c
CAYENNE—Long red; very hot	5c	15c	25c	75c
CAYENNE PICKLING—Dwarf; habit upright	5c	15c	25c	...
CELESTIAL—Ornamental	10c	15c	25c	75c
CHERRY—Prolific; fruit small and round; good for pickling	5c	15c	25c	75c
ELEPHANT'S TRUNK—Long, mild; bright scarlet	5c	15c	30c	...
MAMMOTH GOLDEN QUEEN—Large yellow	5c	15c	25c	60c
GOLDEN DAWN—Mild yellow	5c	15c	25c	60c
RED CHILI—Good hot pickling	5c	15c	25c	...
RED CLUSTER—Small and pungent	5c	15c	25c	...
SWEET SPANISH MONSTROUS—Large fruit, mild and sweet	5c	15c	25c	60c
TABASCO—Hottest of all	10c	...	...	...

Plant 1 oz. to 25 hills, 4 pounds to the acre alone, or 2 pounds with corn.

VAUGHAN'S PUMPKINS

In a small garden plant near low fence, allowing vines to climb over.

VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, sweet, sugary, delicious flavor. They all call for "more"; the seed cavity is small. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 80c.**

MAMMOTH PRIZE. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.50.

CALHOUN. Medium in size, solid and of excellent quality. Skin of cream color; flesh salmon yellow. A fine pie variety.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.

WINTER QUEEN OR WINTER LUXURY. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russeted as a potato.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.

VAUGHAN'S SUGAR PIE PUMPKIN

LARGE CHEESE

Of large size, shape flat like a Cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 45c. By express: lb., 35c; 10 lbs. or more at 30c per lb.

	Pkt.	oz.	¼ lb.	lb.
SMALL SUGAR. Flat sort, good for the home garden	.5c	.10	.20	.70
JAPANESE PIE. Finest quality, good keeper	.05	.10	.30	.90
GOLDEN OBLONG. Orange color. Flesh yellow, excellent flavor	.05	.10	.25	.80
SWEET POTATO. Bell shaped. White flesh. Used for pies	.05	.10	.30	1.00
LARGE TOURS OR MAMMOTH FRENCH. Very large size	.05	.10	.30	.90
QUAKER PIE. Pear shaped. Rich flavor and good keeper.	.05	.10	.30	.90
CUSHAW, WHITE OR STRIPED. Popular Southern sort, fine flavor	.05	.10	.30	.90

NOTE—THE SEED CROP OF OUR MAMMOTH OR LARGE SWEET PUMPKIN WAS A FAILURE

NOTT'S EXCELSIOR

NOTT'S EXCELSIOR
The Most Popular Early Dwarf Pea, Excellent Quality, Prolific.

For a description of Pioneer Pea See Novelty Page.

VAUGHAN'S

EARLY AND MAIN

PEAS AND PROFITS. During thirty-six years of supplying the best in SEEDS, and OTHER REQUISITES to SUCCESSFUL GROWERS of agricultural and horticultural products, we esteem it a privilege as it is also a pleasure, to know that the buyers of Vaughan's seeds, bulbs, etc., have been among the LARGEST PROFIT MAKERS of any engaged in the business. Vaughan's VARIETIES of best standard PEAS presented on these pages are PROFIT MAKERS—buy the BEST PEAS. Make the BIG PROFITS.

NOTT'S EXCELSIOR

Of the **Dwarf early** peas, Nott's Excelsior has properly led all others in poularity. They are almost as early as the **round seeded** varieties, being only two or three days later, but far superior to them in **quality.** The vines grow about 15 inches high, which bear **heavy** masses of blunt pods, about 3 inches long, each pod containing five to seven peas of good size; they are tender, and delicious to eat, of very **prolific growth,** excelling "American Wonder" and Little Gem, in this respect; they are easily raised—require no brushing and are most desirable for the home garden. They are planted extensively by market gardeners. Buy Vaughan's Strain, and you'll have a most satisfactory stock of this sort. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35 (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

SUTTON'S EXCELSIOR

AMERICAN WONDER

Is an Extra Early **Wrinkled** Pea, a dwarf of standard high quality. Vines 10 to 12 inches high, dwarfer than "Nott's Excelsior," usually matures a day or two in advance of Nott's, develops **firm,** well **filled** pods. Very prolific, almost as heavy a yielder as Nott's Excelsior. This is a home garden variety of the highest class—for succession plant each week—vines require no support or brushing during growth. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

SUTTON'S EXCELSIOR

A new **First** Early **Dwarf Wrinkled** Pea, and regarded by some as the leader and **best** of the class. Vines 18 inches high, pods are square at the lower end, they are larger and broader than the usual dwarf peas, and light-green color. This is a very hardy sort, which permits **early planting.** Sutton's Excelsior is a very heavy yielder—season is two days later than "Nott's Excelsior." The excellent quality, size of pods, heavy yield and hardiness, secure for **Sutton's Excelsior** preference from many gardeners, over the large podded tender tall sorts. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 40c (by mail, 55c); ½ pk., $1.20; pk., $2.25; bu., $8.00.**

PREMIUM GEM

This early dwarf wrinkled pea is not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no brushing. The pods develop in great quantity, are three inches long, containing peas of fine quality, flavor, and give satisfaction. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

THREE SUPERB NEW PEAS

Laxtonian (the new Dwarf Gradus). Little Marvel (an improved Nott's Excelsior). Vaughan's Exhibition (largest of all peas).

NORTHERN GROWN EXTRA EARLY

SURPRISE PEA

MAUD S.

Vaughan's Selected Extra Early; an excellent strain of a very fine variety. The vines are 20 to 26 inches high, the pods 2½ to 3 inches long, they hold 5 to 7 peas each. The delicious rich flavor and sweetness, the tender quality and smoothness, of Vaughan's Maud S. is well known to many satisfied growers and consumers. The seed is white, round and smooth, the crop ripens evenly and extra early, two most important points, viz.—first in the market; with your crop all harvested at once. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ pk., 80c; pk., $1.55; bu., $6.00.**

ALASKA, CALLED EARLIEST OF ALL

In season same as "Maud S." Alaska and "Maud S." are, in all but color the same. Alaska seed is bluish in color; it is standard for market and canning, and Vaughan's strain is true to type, and always gives the results in growth, which only the **best seed** can produce. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible. If you plant Vaughan's strain of Alaska peas—you plant the **best** in growing quality. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 25c (by mail, 40c); ½ pk., 75c; pk., $1.40; bu., $5.50.**

FIRST AND BEST

A very productive strain of white seed extra early peas; a little later than "Maud S." Sold under these other names; Philadelphia, Extra Early Rural New Yorker, Daniel O'Rourke, Best Extra Early, etc. Vaughan's First and Best insures **best quality. Pkt., 10c; pt., 15c (by mail, 23c); qt., 25c (by mail, 40c); ½ pk., 75c; pk., $1.40; bu., $5.50.**

VELOCITY

Similar to "Alaska," but with smaller vines and pods. Small round bluish seed of fair quality; a week **earlier** than Alaska—in fact the earliest pea at present. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

SURPRISE—The Earliest Pea of Quality

The earliest of **all sweet wrinkled peas.** In season two days later than Alaska. Being a wrinkled pea it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S., because not so hardy. Vines grow 24 inches high and require no brushing; the pods are of good size and are produced in medium prolific quantity, and are filled with peas of choice quality, much like Notts Excelsior in flavor and sweetness. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

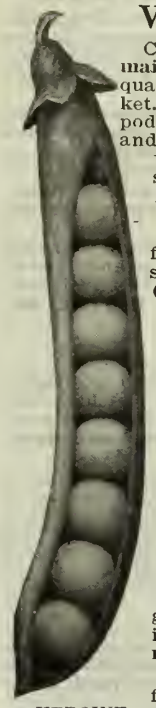
ALASKA or EARLIEST OF ALL

DWARF PEAS

DWARF DEFIANCE

CROP VARIETIES—NO BRUSHING REQUIRED

VAUGHAN'S DWARF DEFIANCE


HEROINE

Claims the attention of pea growers, because as a main crop variety, it has success and profit making qualities unsurpassed by any strain offered on the market. A splendid **mid-season** or **second early** sort; the pods are immense in size and fulness, like "Telephone" and have no superior in quality, will bear comparison with any tall sort. The pods are dark green, the peas sweet and rich flavored. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

HEROINE

A main crop dwarf pea extremely prolific, of very sturdy growth, luxuriant foliage, vines 2½ feet high. Pods are long-pointed, slightly curved, filled with sweet, luscious, rich flavored peas. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

McLEAN'S ADVANCER

Very productive vines 2½ feet high, pods full of fine peas of excellent quality, a great favorite with market gardeners and canners who consider it the best producer of the mid-early sorts. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ pk., 85c; pk., $1.65; bu., $6.50.**

DWARF TELEPHONE OR DAISY

A splendid dwarf pea, mid-season maturing variety; vines dwarf, bearing large, bright green pods, each containing 7 to 9 peas of finest quality. We offer a high-class re-selected stock. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 40c (by mail, 55c); ½ pk., $1.10; pk., $2.00; bu., $7.50.**

HORSFORD'S MARKET GARDEN. Our strain of this variety is very popular with growers. It is later than Advancer; grows taller, requires no brushing, and is a heavier producer. The pods mature uniformly and are filled with peas of fine quality. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ pk., 85c; pk., $1.65; bu., $6.50.**

JUNO. Main crop dwarf **wrinkled** pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality; quite similar to "Dwarf Champion" listed in other catalogues. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with wrinkled peas of immense size, and delicious sweetness and flavor. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.**

DWARF DEFIANCE
Immense Pods and Unsurpassed Quality.

TALL SORTS DO BEST WHEN BRUSHED

THOMAS LAXTON

GRADUS

To eat Gradus Peas is to enjoy all the luscious sweetness and rich flavor, combined with melting tenderness of the finest butter you can imagine. Gradus is the **greatest of the wrinkled pea varieties**, it is large and handsome as well as delicious. A table luxury and delight which retains its attractiveness, beautiful color and fine appearance after being cooked. It is the most popular of all the **extra early wrinkled peas.** It is tender and should be planted in the warmest spot in the garden, it blooms forth and matures within two or three days after the small round extra early sorts. Vines 30 inches high, pods 4 inches long or more beautiful green color, and 10 or more rich, plump, fine peas in each pod. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 45c (by mail, 60c); ½ pk., $1.25; pk., $2.35; bu., $9.00.**

THOMAS LAXTON

This is a product of the Gradus Strain, the season is identical with Gradus, the pods are square at the end and deeper green color than the parent strain. Vines are 3 to 3½ feet high and may be grown with or without brushing, the main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for the home garden. A better yielder than Gradus. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 45c (by mail, 60c); ½ pk., $1.25; pk., $2.35; bu., $9.00.**

VAUGHAN'S NEW LATE GRADUS

This is a special Gradus pea bred to fill a special place and time. It comes in between the last of the Gradus and first of the Telephone; it possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. The handsome appearance of this new variety secures for it ready sale at the best **earlier** sort prices, it is a most important introduction for market gardeners as well as for the home garden. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 45c (by mail, 60c); ½ pk., $1.50; pk., $2.75.**

GRADUS OR PROSPERITY

SUCCESSION OF DWARF PEAS.

Sutton's Excelsior. Dwarf Defiance. Heroine.

Planted at one time they will ripen successively.

No.		Postpaid.	At Buyer's Expense
1	1 packet each	$0.25	$0.25
2	1 pint each	.75	.50
3	1 quart each	1.40	.95
4	½ peck each	....	2.75

VAUGHAN'S IMPROVED TELEPHONE

VAUGHAN'S

VAUGHAN'S IMPROVED TELEPHONE

Of the tall main crop varieties of peas we consider Vaughan's Improved Telephone the best sort for general purposes. In the home vegetable garden its heavy yields and excellent quality give it value, and also the fact that it does well even without bushing or support.

For the market gardener it has especial features—productiveness (there is no variety which bears a larger crop either of pods or peas)—uniformity of type—producing a crop maturing evenly and hence requiring few pickings—great, big pods which run alike in size and hold their appetizing dark green color, a color which presents a marketable appearance several days longer than the light podded peas.

Vaughan's Improved Telephone is a tall pea—growing four feet high, in season a main crop sort; the pods are dark green in color; in favorable seasons they measure five inches and over in length and contain eight to nine large peas in a pod. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

CHAMPION OF ENGLAND

As a late season tall pea holds rank as the best; it is one of the old standard late varieties which, for quality, has not been surpassed. The vines grow about five feet high, are very vigorous and bear a big crop of good size pods completely filled with delicious peas of superb flavor and fineness. **Pkt., 10c; pt., 15c (by mail 23c); qt., 30c (by mail 45c); ½ pk., 85c; pk., $1.65; bu., $6.50.**

PLANT FOR SUCCESSION.		Postpaid by Mail	By Express at Buyer's Expense
GRADUS	1 pkt., each	$0.25	$0.25
	1 pint, each	.75	.50
IMPROVED TELEPHONE	1 quart, each	1.40	.95
CHAMPION OF ENGLAND	½ peck, each	....	2.75

QUITE CONTENT

A little later in season that Vaughan's "Improved Telephone;" the pods are exceptional in size, being 5 to 6 inches in length, so it is the largest podded pea. The vines grow 5 to 6 feet high, and should be brushed; they are long yielding, the peas are large and of fine flavor. A fine exhibition sort. **Pkt., 10c; pt., 25c (by mail, 33c); qt., 45c (by mail, 60c); ½ pk., $1.60; pk., $3.00; bu., $11.00.**

BOSTON UNRIVALED. Of the light colored tall sorts, this is the highest type. A mid-season variety, large podded and very uniform, peas of good quality and delicious flavor. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

TELEPHONE. The pods are light instead of dark green color, and are not quite as uniform as our improved varieties. **Pkt., 10c; pt., 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ pk., 85c; pk., $1.65; bu., $6.50.**

VAUGHAN'S PARSLEY

HANDSOMEST OF ALL VARIETIES

VAUGHAN'S XXX PARSLEY

VAUGHAN'S XXX PARSLEY

Beauty is of prime importance in a curled parsley, and in Vaughan's XXX we offer the most exquisite and perfect of all garnishing varieties. The delicate, tender leaves are tightly but daintily curled and the dark, rich green color lends a zest that is the final touch to a well laid table.

Vaughan's XXX grows very dwarf in habit and in the garden is really ornamental—some of our customers have used it as a neat and very pretty border plant. Its dwarf growth also makes it valuable for growing in the hot bed, green house, or in pots in the winter time—using but a minimum space. The flavor is piquant and pleasing.

Vaughan's XXX parsley was chosen from many trials and after a careful inspection trip through the seed growing sections of Europe—as by far the handsomest and best colored parsley yet introduced.

Pkt., 10c; 2 pkts., 15c; oz., 20c; ¼ lb., 50c; lb., $1.60.

CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves being so crumpled and curled they have the appearance of curled moss; the color is rich green, the plant is quite hardy, slow to run to seed and may be grown in pots or window boxes. As a parsley for garnishing dishes, and for flavoring purposes, it is held in high favor by many, because of its pretty leaves and aromatic flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

FERN-LEAVED. Leaves so nicely and delicately cut as to resemble the frond of a fern. Good green color and nice flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

PLAIN. The leaves are not curled, however, the flavor is excellent and plant is very hardy. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

HAMBURG ROOTED or GERMAN PARSLEY. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

GROW GLADIOLUS FOR CUT FLOWERS

Our Mr. Vaughan found in England, near London, this summer, an increasing tendency to sell flowers with vegetables. The same markets that dispose of all garden truck were selling beautiful flowers of Lilies, Dahlias and Gladioli. It is also true that here in this country as well many market gardeners are growing Gladiolus flowers, disposing of them at summer homes for good prices. The availability of Gladiolus Bulbs for this purpose is marked. The bulbs already contain the young flower stalks and flower in 8 to 10 weeks from planting. We have raised on our own farms many thousands of the best selling kinds of these flowers and offer them cheaper than they have been previously sold. See pages 14-16, and special offer, page 92.

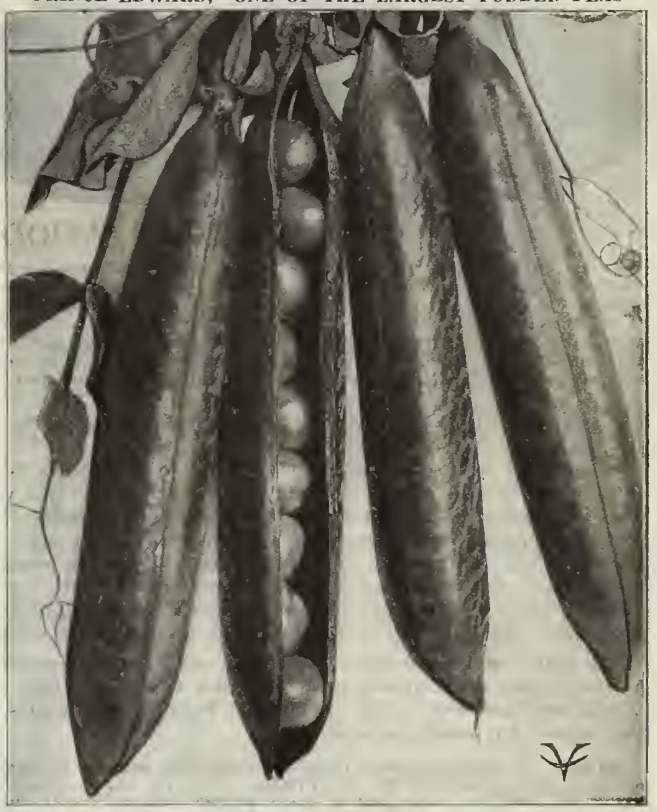
I have added Gladiolus bulbs, grown for cut flowers, to my truck garden and with good profit. I have sold from 1,500 doz. to 2,000 doz. per year at substantial prices.
T. W. WHITE, Red Bank, N. J.

TALL GROWING PEAS

A New Erain Dwarf Peas. See Novelty Page.

PRINCE EDWARD

"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS



This is an English strain of the Telephone type, selected and bred especially for size of the pods, which are so large, they are truly magnificent—see illustration. For exhibition purposes this variety is a splendid one; but large size and good quality are blended in this strain, the peas have fine grain and splendid flavor. The vines bear heavy crops. **Pkt., 10c; pt., 20c (by mail 28c); qt., 35c (by mail 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

ALDERMAN. This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific, the peas are of the best quality. **Pkt., 10c; pt., 20c (by mail, 28c); qt., 35c (by mail, 50c); ½ pk., 90c; pk., $1.75; bu., $7.00.**

LONG ISLAND MAMMOTH. Known also as Telegraph. Later than Telephone, of which it is regarded as a strain, with smooth seeds. The pods are not so large nor the peas of as good quality, but the vine is hardier than Telephone. **Pkt., 10c; pint, 15c (by mail 23c); quart, 30c (by mail 45c); ½ peck, 85c; peck, $1.65; bu., $6.50.**

EVERBEARING. For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality. **Pkt., 10c; pint, 15c (by mail 23c); quart, 30c (by mail 45c); ½ peck, 85c; peck, $1.65.**

YORKSHIRE HERO. An old standard variety; vines medium tall, produce a crop of fine, broad, well filled pods. The peas are wrinkled, sweet, large and remain in good condition for eating a long time. A great favorite on the Pacific Coast. **Pkt., 10c; pint, 15c (by mail 23c); quart, 30c (by mail 45c), ½ peck, 85c; peck, $1.65; bu., $6.50.**

BLACK EYE MARROWFAT (Late). A great yielder of ordinary quality peas. **Pkt., 10c; pint, 15c (by mail, 23c); quart, 25c (by mail, 40c); ½ peck, 75c; peck, $1.40; bu., $5.00.**

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder. **Pkt., 10c; pint, 15c (by mail, 23c); quart, 25c (by mail 40c); ½ peck, 75c; peck, $1.40; bu., $5.00.**

EDIBLE POD PEAS

DWARF GRAY SUGAR. 15 to 18 inches high; pods purple; large, and eaten like string beans. **Pkt., 10c; pint, 20c (by mail 28c); quart, 35c (by mail, 50c); ½ pk., $1.25; pk., $2.25.**

LUSCIOUS SUGAR. Tall growing strain of above. **Pkt., 10c; pint, 20c (by mail 28c); quart, 35c (by mail, 50c); ½ pk., $1.25; pk., $2.25.**

MAMMOTH MELTING SUGAR. A late, large sugar pod pea. Vines 4 to 5 feet high. The best quality sugar peas. Pods 5 to 6 inches long, thick and fleshy. A delightful dish, cooked as string beans. **Pkt., 10c; pint, 25c (by mail 33c); quart, 45c (by mail 60c); 4 quarts, $1.65.**

VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll.

VAUGHAN'S MARROWFAT PARSNIP

HANDSOMEST AND BEST—VAUGHAN'S MARROWFAT.

The illustration on this page, of Vaughan's famous Marrowfat parsnip, gives a good idea of the fine shape, uniform good size, clean, smooth skin and general handsome appearance, of this most popular, best flavored parsnip. This variety is superior in richness of flavor to all others when cooked. It is a winner at exhibitions. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Parsnips are healthful as well as delicious.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" parsnip. As a money maker for market men we recommend it; it is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our stock is very fine. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long, the roots are more easily gathered. This sort gives general satisfaction, having good quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require the depth of soil for its cultivation that is necessary for the older varieties. Although equal in quality and flavor to the old sorts the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils Intermediate is especially valuable. During the past few years of drought, the Intermediate, of all varieties, yielded the heaviest, made the best looking roots, and was the easiest to harvest. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.**

VAUGHAN'S SPECIALS
BEANS, ONIONS, CABBAGE, CORN
All grown under the most favorable conditions for each variety. Read about "Hidden Values in Seeds" on inside back cover.

WOODBURY'S WHITE ROSE

VAUGHAN'S

EARLY AND MAIN CROP VARIETIES

Vaughan's Early Seed Potatoes have for over thirty years been the standard of quality. Vaughan's Improved Red River Grown Ohio has been for years and is now the best first early. The last few seasons have been unfavorable for first early potato crops, and there has been an increasing demand for second early and medium season varieties which outyield the first earlies, but still command the high early market prices.

VAUGHAN'S WOODBURY'S WHITE ROSE

Is an early potato of such merit that it should appeal to every grower who aims to supply an early market, and make money for his work. "Woodbury's White Rose" is a seedling from "Early Rose," to which it is superior in quality. It is not a round but rather kidney shaped pure white potato, not too long but finely shaped, has shallow eyes, which makes peeling easy and with less waste. The vine is vigorous and a good resister of early blight, the yield is double that of other early varieties; its pure white skin and flesh, elegant appearance and big yield, together with other fine qualities, offers opportunities that are worthy of attention. On light soil this variety is particularly good. **½ peck, 40c; peck, 70c; ½ bu., $1.00; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.75; 10-bu., $16.00. By freight or express.**

VAUGHAN'S NEW DEARBORN

A beautiful new round potato introduced by Vaughan's Seed Store a couple of seasons ago as a specialty; it has since become very popular. It takes its place among the Earlies as a fine producer, of right size, best quality and handsome appearance. The plant's habit is thrifty, strong and upright, top medium size. When the young sprouts first appear above ground they are very strong, with dark green leaves. When matured the tubers are nearly round, slightly flattened sometimes. Densely netted skin, white flesh of very fine quality.

Big yield, early and easy harvesting, medium size, round, white, handsome and finest quality are points that appeal to critical growers. **½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.85; sack (165 lbs.), $4.80; bbl., $5.00. By freight or express.**

NEW DEARBORN

ACME. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardeners. **½ pk., 35c; pk., 65c; bu., $1.60; sack (165 lbs.), $4.10; bbl., $4.35; 10-bu., $14.00.**

BLISS OR RED TRIUMPH. For more than a decade this has been the standard early Potato in the South. It is a round reddish skinned Potato; rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are very attractive and, of course, command a large premium over the old stock. **By freight or express. ½ pk., 35c; pk., 65c; bu., $1.65; sack, 165 lbs., $4.10; bbl., $4.35.**

VAUGHAN'S MAIN CROP VARIETIES

VAUGHAN'S KEYSTONE. This is a pure white, main crop Potato, now on its way to popularity as a standard variety. It is prolific, of fine quality and handsome appearance. Tubers pure white, long, slightly tapering. **½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.75.**

NEBRASKA

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has outyielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical. **½ pk., 40c; pk., 70c; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.75; 10-bu., $16.00.**

GOLD COIN

This new sort has proven a very valuable potato, planted on loose soils, especially muck land. In clay or heavy situations its deep setting habit of growth is detrimental, and the crop is inclined to run undersized. The tubers are white with a slight streak of pink; size is large in loam soils, uniformly so; slightly irregular. The vines are vigorous and strong, and the tubers deep set in the ground. In quality it is equal to any and baked it is mealy and dry. **½ pk., 35c; pk., 60c; bu., $1.50; sack (165 lbs.), $3.85; bbl., $4.10; 10-bu., $13.50.**

POTATOES

IRISH COBBLER

GROWN IN THE FAR NORTH

We are able to offer three valuable sorts in this class—Irish Cobbler, first introduced in the West by Vaughan's Seed Store, which in some sections ripens almost along with Early Ohio; Woodbury's White Rose, our introduction, a very heavy yielding second early, and Vaughan's Dearborn also our introduction, a very early round sort and a tremendous yielder. No grower of early potatoes will go wrong in trying any one of these sorts.

Our prices are f. o. b. Chicago, purchaser to pay transportation charges. Add 50c per sack and 20c per bushel if shipped from New York.

IRISH COBBLER A HEAVY CROPPING EARLY

Is a grand early potato of medium large size, and in light soil does its best for earliness, in which it matures almost as early as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant varieties that yield bigger crops than the Earlies which yield small crops. Irish Cobbler, although not so fine-grained in flesh as some other sorts described here, yet it is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard earlies. To our customers who find it necessary to cater to a growing demand for more Early potatoes we commend this sort as a money maker and trade winner. Our seed is grown in Red River Valley, Ohio, and is superior to other strains grown elsewhere. **½ pk., 35c; pk., 65c; bu., $1.60; sack (165 lbs.), $1.10; bbl., $4.35; 10-bu., $14.00.**

VAUGHAN'S OHIO (RED)

VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable—in the Red River Valley of Ohio, the natural home for high-class potato seed. This standard variety is well known to growers, who find it superior to other strains.

In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected. It is the favorite of large market growers. **½ pk., 35c; pk., 65c; bu., $1.60; sack (165 lbs.), $1.10; bbl., $4.35; 10-bu., $14.00.**

VAUGHAN'S WHITE OHIO

This is the most popular early White Potato. Although it is many years since Vaughan's Seed Store first introduced the Early White Ohio it is still without an equal as an early white. A sport of the "Red Ohio" it is in most respects similar to that variety, and while it does not yield as heavily as the Early Red Ohio it is superior in quality and, being white, commands a premium on the market that usually makes up for the lesser crop. A splendid home garden variety. **½ pk., 40c; pk., 70c; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.75; 10-bu., $16.00.**

VIGOROUS GROWTH - TRUE TO TYPE

RURAL TYPES

CARMAN NO. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years. **½ pk., 35c; pk., 55c; bu., $1.45; sack (165 lbs.), $3.75; 10 bu., $13.00.**

RURAL NEW YORKER NO. 2. The standard white market potato. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural. **½ pk., 35c; pk., 55c; bu., $1.45; sack (165 lbs.), $3.75; 10 bu., $13.00.**

SIR WALTER RALEIGH. An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an Improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake quality. **½ pk., 35c; pk., 55c; bu., $1.45; sack (165 lbs.), $3.75; bbl., $4.00; 10 bu., $13.00.**

CARMAN NO. 3

SWEET POTATOES

GROWN ESPECIALLY FOR SEED

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

	¼ Bu. Boxed.	Bu. Boxed.	Bbl.
Yellows	$0.75	$2.00	$5.00
Reds	1.00	3.00	6.00

3 bbl. lots, 25c per bbl. less.

IRON AGE POTATO MACHINERY

We take pleasure in recommending to our customers the "Iron Age" Potato tools, as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.

Iron Age Potato Planter 400L or 404L, with Fertilizer Distributer $85.00
Iron Age Potato Planter 400 or 404, without Fertilizer Distributer 75.00
Iron Age Potato Digger No. 125 95.00

VAUGHAN'S IMPROVED BREAKFAST

Early Sorts

VAUGHAN'S

VARIETIES Vaughan's Seed Store lists on these pages a splendid line of radishes that are really high class in appearance and quality, and recommend them to growers in the full knowledge and confidence that these radishes are not surpassed by any strains sold on the market.

Radishes are a great specialty with us and the care we bestow upon their culture to secure the best seed it is possible to buy, has established a great

EARLY SCARLET GLOBE (F)

For greenhouse or hot-bed forcing and for out-of-doors. Very early, mild, crisp and tender, one of the most attractive, best selling radishes. It is very handsome, rich, bright scarlet color, thoroughly sound and of fine quality, it is a great favorite; it resists heat without becoming pithy, and is ready in twenty-five days. This sort is not desirable for hot summer planting as it loses its shape—it is an **early radish** and as such gives entire satisfaction.

Vaughan's Scarlet Globe Radish should be planted in every garden, for market as well as for home use—plantings for home use should be made every ten days.

Our stock is the **very best**, selected with greatest care for **size, shape, color** and **earliness**; market gardeners find it a big money-maker. Vaughan's Selected Stock—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c, postpaid. By express: 5 lbs., $3.75; 10 lbs., $7.50.

VAUGHAN'S SELECT SCARLET GLOBE

VAUGHAN'S CARDINAL FORCING

The handsomest forcing globe radish, splendid to market. The shape, is more even than Scarlet Globe, the color is a richer dark red, it is larger and ready to market 3 days earlier. Flesh is firm, quality finest. Best for early home garden sowing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY SCARLET GLOBE. White Tip. Best and quickest of the White Tips. Fine quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

VAUGHAN'S ALL SEASONS. May be sown from Spring to Autumn and used at all stages. Round, scarlet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

"CRIMSON GIANT" (F)

For forcing or outdoor planting. A new type, more than double the size of other forcing varieties; and does not get pithy or hollow. It is very early, although it is so large, the skin is crimson red, flesh pure white, crisp, sweet, tender. Sow seed thinly to allow root development. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

IMPROVED BREAKFAST

Scarlet Globe Regular: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLIEST CARMINE TURNIP (F)

The best and quickest all red turnip shaped radish. Matures in about three weeks. Splendid for forcing under glass, is crisp, tender and sweet. Skin is a deep crimson red, leaves are very short; for the home garden this is one of the best varieties for out-door planting. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.**

EARLIEST WHITE TURNIP (F)

Fine for forcing or open ground. Short top, very thin tap root. The earliest white turnip shaped radish; excellent flavor. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

TRIUMPH. A useful sort, skin handsomely striped and mottled scarlet and white, very attractive, very early, short top, good quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

BRIGHTEST LONG SCARLET

An excellent sort for the home garden, a combination of beauty and quality. Brightest scarlet color upper part and **pure white long tips**, the handsomest long red radish on the market, and the best seller. Twenty-five days after planting it is usually ready for the table. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

LONG SCARLET SHORT TOP

A standard variety of long red radishes, straight and smooth; grows partly above ground, develops long roots that are tender, crisp and sweet. Fine for the home garden.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WOOD'S EARLY FRAME. This is an early forcing strain of the long scarlet, short top, selected especially for growing under glass for use in frames. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

HALF LONG DEEP SCARLET. A half long deep scarlet radish; is grown much in the south for early shipment; is also good for forcing; in quality it is brittle and juicy. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Don't Sow Winter Sorts Until Late June.

LONG AND

VAUGHAN'S MARKET. The best early half long white radish, tender, delicate, brittle and fine flavored, resembling the Strassburg in size, but quicker growth. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

CINCINNATI MARKET. A long red radish, white tip, short top. A standard in some parts of the South. Good quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer.

IMPROVED CHARTIER. Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

LONG WHITE VIENNA. Snow white, very brittle and crisp. A long, handsome radish. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE STRASSBURG. Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

STUTTGART. A turnip shaped, large white radish. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow thickly; have mild and delicious flavor.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Each of the following: Pkt., 5c; oz., 10c, except where noted.

	¼ lb.	lb.
CALIFORNIA MAMMOTH WINTER. Long, very large size..	$0.20	$0.70
ROSE OR SCARLET CHINA. Rose color, medium size, fine keeper	.20	.60
CHINESE MAMMOTH OR CELESTIAL. The best of all very large white radishes. Immense size and the flesh always crisp and mild	.20	.70
BLACK SPANISH LONG. Black skin and white flesh	.20	.70
BLACK SPANISH ROUND. Similar to Long Black, except in shape	.20	.70
HALF LONG BLACK WINTER	.25	.75
LONG WHITE SPANISH. Like Long Black, except color	.20	.70

RAT TAILED RADISH. Seed pods edible. **Pkt., 5c; oz., 30c.**

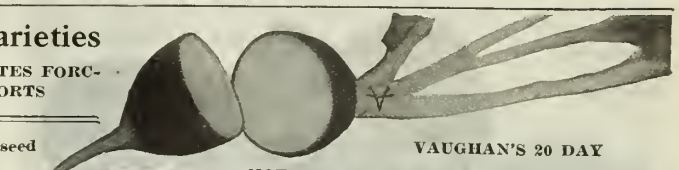
RADISHES

Oval Varieties

(F) INDICATES FORCING SORTS

confidence in our seed by critical growers—they rely upon us for best seed and they are not disappointed.

The extra early turnip shaped radishes grow best in loose rich soil; being early they have to mature quickly. The application of commercial fertilizer to your soil will improve radish quality. See fertilizer page.



VAUGHAN'S 20 DAY

NOT PITHY

SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

Many thousands of pounds of seed of this variety are bought from us every year by the most critical market gardeners. Their success proves the satisfactory quality and popularity of this dainty, crisp and tender radish.

This strain is for out-door planting, our seed is carefully grown from transplanted roots. This radish is turnip-shaped, bright scarlet color, with a white tip; very handsome, and very popular because it is very good and appeals to the palate as well as to the eye.

Vaughan's "Sparkler Strain": Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.25.

SCARLET TURNIP WHITE TIP

SOLID CRISP

SCARLET TURNIP WHITE TIP

EXTRA EARLY OLIVE SHAPED

VAUGHAN'S 20-DAY

The quickest of all red radishes, matures in 20 days after sowing. The skin is a most attractive bright scarlet, the flesh pure white, sweet, tender, crisp and pleasant. The leaves are very short, which admits of close planting. Fine for outdoors and forcing. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S 20 DAY

EARLIEST WHITE OLIVE. (F.) This is not only the earliest White Radish, but the earliest of any color; good sized radishes having been pulled in from 15 to 18 days after sowing. The radishes are pure white, oblong and tender. The tops are small, which means a good forcer and admits of close planting.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

IMPROVED BREAKFAST

An excellent radish that is early. About 2 inches long, round, slender, tap root, deep red skin, with white tip, pure white flesh that is crisp, tender and sweet; sound and solid. One of the best for home use. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

Any of the Following, Pkt., 5c; oz., 10c.	¼ lb.	lb.
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20-day	$0.25	$0.80
OVAL YELLOW MAY. A new sort, fine quality	.20	.70
FRENCH BREAKFAST. Quick and handsome	.20	.70
MIXTURE. Turnip and olive shaped varieties	.20	.60

OTHER KINDS

	pkt.	oz.	¼ lb.	lb.
NON PLUS ULTRA. (F.) Scarlet turnip shaped, good forcer	.05	.10	.25	.75
EARLY DEEP SCARLET TURNIP. An old standby	.05	.10	.25	.80
YELLOW TURNIP. (A summer variety)	.05	.10	.20	.70
GOLDEN YELLOW SUMMER TURNIP. Smooth, fine skin	.05	.10	.20	.70

OTHER SORTS

See Radish Novelties for Vaughan's Olive Crystal.

ICICLE RADISH

ICICLE—The Finest White Radish

Long, slender, pure white roots, and they remain mild and crisp until they grow large; they mature early, and have short tops, which permits close planting and forcing. Regarded by many of our customers as the finest radish they have ever grown. Plant every ten days for succession. It is mild, crisp and white. **Oz., 10c; ¼ lb., 20c; lb., 70c.**

NEW FORCING RADISH GIANT BUTTER. The largest early turnip forcing radish.

RADISH SAKURAJIMA. Produces radishes of great weight. See Novelty page.

RAMPION—A New Salad

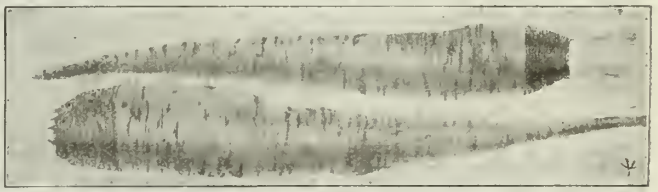
Both the roots and leaves make a delicious salad. **Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.**

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is when cooked a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. The roots should be left in the ground to dry up during thaws in the winter and spring. Salsify is boiled like parsnips or carrots and served either with or without cream gravy. Or after half boiling can be grated and made into flattened balls and fried like oysters. Mammoth Sandwich Island Salsify is the most popular.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10.**

LONG ISLAND SALSIFY. The Old Standard. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10.**



SALSIFY, MAMMOTH SANDWICH ISLAND

SCORZONERA OR BLACK SALSIFY

SCORZONERA, OR BLACK SALSIFY. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. **Pkt., 5c; oz., 15c; ¼ lb., 45c.**

IMPROVED LONG BLACK (BLACK SALSIFY). This variety may be planted in the late spring, earlier than black salsify, without running to seed, the longer season thus permitting a considerable larger growth of root. **Pkt., 10c; oz., 20c.**

VAUGHAN'S TRIUMPH SPINACH

Sow 10 Lbs. to the Acre.

VAUGHAN'S NORFOLK SAVOY. This variety is a very hardy, good size Standard Spinach. The leaves are very thick and blistered, and this, together with its hardness, makes it a splendid shipping sort. It is a great favorite with Southern Truckers. Our strain is carefully grown; the largest and most successful growers in the country buy Vaughan's Strain. Oz., 5c, ¼ lb., 15c; lb., 35c, postpaid. By express—lb., 25c; 5 lbs., $1.00: 10 lbs., $1.85.

SQUASH, MAMMOTH WHITE BUSH

BUSH FORDHOOK. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety whether for summer or winter use. The young tender fruits are prepared and cooked like other summer squashes; or when stored before frost in a warm dry place furnish winter squash for table use until the new crop is ready. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

FORDHOOK. Ripens early and is one of the best keepers we know of. Can be kept all through the winter until June. Is very prolific, and nearly bug and borer proof. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

VEGETABLE MARROW

This is a most important vegetable in the English market but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking. **Pkt., 10c; oz., 15c; 2 ozs., 25c.**

Plant Squashes in warm, light, rich soil (about 8 or 10 seeds to a hill), afterward they may be thinned out to 3 or 4 vines.

VAUGHAN'S

VAUGHAN'S TRIUMPH

Is very compact but prostrate, rather than upright in habit of growth. This new spinach withstands hot weather longer than other kinds; by its use the season may be lengthened a month. This plant is smaller, but does not wilt or run to seed as quickly as other sorts. The leaves are thick, warted, tender and fine when cooked. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

VAUGHAN'S GIANT FILL-BASKET

A novelty in greens, produced by the careful culture of an expert. In Germany where Spinach, is in great demand always, Fill-Basket is regarded as the best spinach ever produced. With our customers and in our trial grounds it has given phenomenal results. Its broad thick leaves are produced in remarkable abundance. Cooked it is very tender and well flavored and can be cut early. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

VICTORIA. A standard, and, excepting "Vaughan's Triumph," remains in prime condition two to three weeks after all other varieties have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister. **Oz., 5c; ¼ lb., 15c; lb., 35c, by mail. By express, lb., 25c; 5 lbs., $1.00; 10 lbs., $1.85.**

EXTRA LARGE ROUND LEAF. Large crumpled leaves. **Oz., 5c; ¼ lb., 15c; lb., 35c, by mail. By express, lb., 25c; 5 lbs., $1.00; 10 lbs., $1.85.**

PRICKLY SEEDED. Very hardy: sow in fall. **Oz., 5c; ¼ lb., 15c; lb., 40c postpaid.**

LONG STANDING. Slow to seed. **Oz., 5c; ¼ lb., 15c; lb., 35c, postpaid. By express, 10 lbs., $1.85.**

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth; much used by New York truckers. **Oz., 5c; ¼ lb., 15c; lb., 35c, postpaid. 10 lbs. $1.85, by express.**

NEW ZEALAND. Suited to dry arid localities where other varieties do badly **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

SUMMER SQUASH

MAMMOTH WHITE BUSH—Patty Pan

The old Early White Bush Scallop has long been the favorite early summer squash. Mammoth White Bush is an improved selection a few days later; it is considerably larger and deeper, has less scallops, saving waste, and is a heavier producer. Peeled and sliced, then fried like egg plant, this squash makes a delicious dish. We have a very select strain. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

EARLY WHITE BUSH. The older, very early sort. **Pkt., 5c; oz., 10c; ¼ lb. 20c; lb., 65c.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

MAMMOTH GOLDEN BUSH. Like Mammoth White Bush, the fruits run a little larger and have a fine pale-yellow skin, creamy white flesh. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

GIANT WHITE SUMMER CROOKNECK. A selection from the old "Summer Crookneck." It is somewhat larger, and the skin is ivory white, which adds an attractive appearance to windows where other vegetables are grouped. The flesh is tender and of good flavor. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

GIANT SUMMER CROOKNECK

Our strain of this popular Squash produces fruits nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruits that are heavily warted and true to type. The flesh color is a rich golden yellow, the quality and delicious flavor of which is the very best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

SUMMER CROOKNECK VAUGHAN'S GIANT

SPINACH

See inside back cover for "Hidden Values in Seeds."

SWISS CHARD—The City Man's Garden

ALSO CALLED "CUT AND COME AGAIN" SPINACH

This vegetable gives maximum returns for little care and space, it yields a constant crop from July to Winter.

If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as Spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in Spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like Asparagus or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family. As it grows, thin out for use and keep clear of weeds. Good cultivation increases the tenderness of the leaves.

Many of the Chicago gardeners use Swiss Chard as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. **Pkt., 10c; oz., 20c.**

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.

WINTER SQUASH

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always saleable, has handsome shape, smooth orange skin, nice size, everyone likes it. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh of very superior quality, is light yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

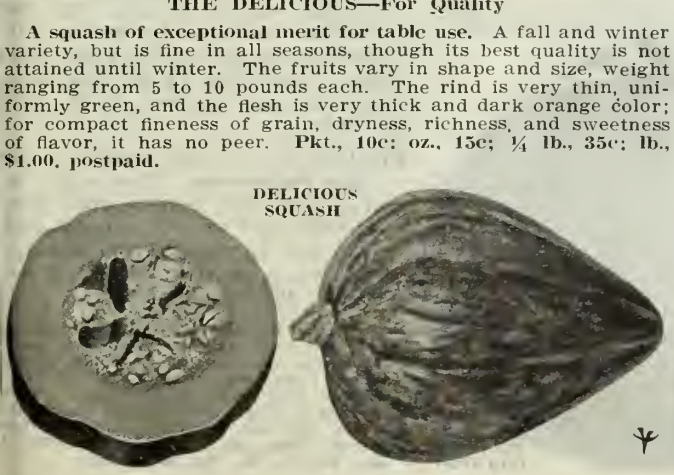
DELICATA. Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid; fine keeper and producer. Extra early. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruits vary in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; for compact fineness of grain, dryness, richness, and sweetness of flavor, it has no peer. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00, postpaid.**

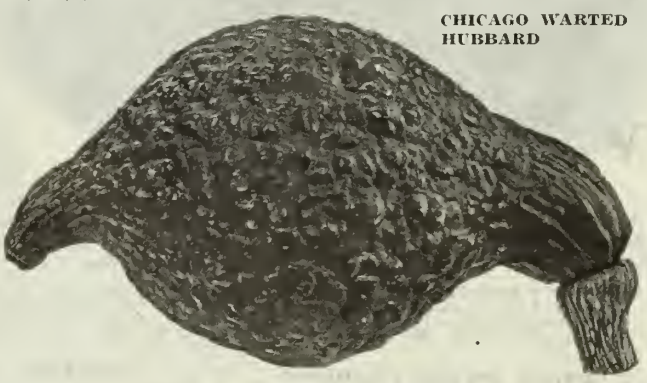
DELICIOUS SQUASH



SWISS CHARD—Nothing Better for the City Garden

SORREL. Sauerampfer-Oseille. Is boiled and served like spinach, also delicious soup is made with it, and it possesses a very fine flavor. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy but the roots should be divided every four years. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

CHICAGO WARTED HUBBARD



CHICAGO WARTED HUBBARD

Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; these are large size, rough-skin, dark green color, on the outside. For producers on a large scale these qualities are needed. Our Strain is ideal for the home market, vines are of strong robust growth, fruits are large, grand shape, heavily warted, fine color; flesh fine grained, rich and dry. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10; 5 lbs., $4.75; 10 lbs., $9.00.**

ORIGINAL HUBBARD

Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruits have dark green skin, and often weigh as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick of superior flavor. If stored right Vaughan's Strain can be sold in good condition until spring. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10, postpaid; 5 lbs., $4.75.**

GOLDEN HUBBARD

The best kind for the private or home garden; the fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season but keep in fine condition through the winter. The skin is bright deep orange yellow, very attractive appearance. Flesh is deep golden yellow, fine grained, cooks very dry and has rich flavor. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

GOLDEN BRONZE. Large size, 8 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

MARBLEHEAD. Prolific, light blue, olive shape, dry and sweet, delicious flavor. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.10.**

ESSEX HYBRID. For fall or winter, large broad fruits, large neck or Turk's cap at blossom end. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

EARLIANA BEST RED EXTRA EARLY

TOMATO PLANTS—We have ready about May 15th carefully grown tomato plants. Seedlings from the hot beds, transplanted plants from flats and 2-inch pot plants. See page 56.

VAUGHAN'S

EARLIANA—The Most Popular Extra Early Red

Vaughan's **Earliana** is the earliest **large, smooth red** tomato. In season it ripens with the earliest, it is **large** and **smooth, bright red,** and our strain shows few, if any, of the rough fruits found in numerous quantity in other **early** sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. A few days in season to the tomato market grower sometimes means the difference between the early market high price and average season price with a small margin of profit. By constant supervision we keep our strain right—our trials show it is without a superior. This variety is planted almost exclusively in some southern tomato shipping centers. Buy Vaughan's Strain of Earliana and get results. **Pkt., 5c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., $2.50.**

JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a **pink early tomato** is most desired; this is the **earliest** of the **Pink** varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find few rough fruits, and in Western markets where **pink tomatoes only** sell readily, this is a **splendid profit maker.** The fruits are of fair size and good quality; vines ripen evenly, permitting quick harvesting. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

BONNY BEST

Is uniform and smooth, a few days later in season than Earliana, the fruits run large and nearly all marketable. Intense scarlet color, and may be planted where Earliana is a profitable market garden variety.

It equals the best; an early for the home garden. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

CHALK'S EARLY JEWEL—Is an extra early, good size and smooth. Vines compact and prolific, bear throughout the season. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VAUGHAN'S EARLIEST OF ALL—Our earliest tomato, it may be planted in the north where hot-bed facilities are poor. The fruits have good quality and the plants are dwarf, robust and quite prolific. **Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., 85c.**

HUMMER

A globe shape variety, medium size, smooth, **prepared for table without waste.** Scarlet color free from cracks. This variety has heavy foliage and should be started, or grown on trellises. **Pkt., 5c; ½ oz., 15c; oz., 25c; ½ lb., 75c; lb., $2.50.**

PONDEROSA SINGLE CLUSTER

THE GIANT SEE DESCRIPTION

EARLY DWARF CHAMPION

We recommend this sort for the home garden with the greatest confidence. Owing to its dwarf habit and upright tree-like growth, it is a great favorite; the fruit resembles the main crop variety "Aeme." It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid and of firm quality. The vine is strong and stiff requiring the very least support. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

DWARF ARISTOCRAT—This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use and with the brilliant deep scarlet which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VAUGHAN'S MODEL TOMATO

A handsome dwarf tree variety, potato leaf, foliage very large, broad, very deep dark green, heavily blistered. The fruit is smooth, and of best quality—the color is a deep brilliant scarlet. It is sure to please in the home garden. **Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 85c.**

FORCING VARIETIES

Sunrise. Rich scarlet, medium size, solid delicate flesh. Very prolific. **Pkt., 15c; ½ oz., 40c.**

Comet. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. **Pkt., 15c; ½ oz., 30c.**

Hubert's Marvel. Scarlet color. Round like an apple. **Pkt., 15c; ½ oz., 30c.**

Best of All, Sutton's. One of the old standards and very good yielder of small scarlet fruits. **Pkt., 10c; ½ oz., 25c.**

Frogmore Select. Almost round, small seed cavity, bright red, old favorite. **Pkt., 15c; ½ oz., 25c.**

Lorillard. One of the best known and popular kinds. **Pkt., 5c; oz., 25c.**

Sterling Castle. Small size, uniform and very productive. **Pkt., 15c; ½ oz., 35c.**

Lister's Prolific (new). Latest popular English sort. **Pkt., 25c.**

EARLY DETROIT—The new early main crop. Purple variety, one of the best. (See page 8.) **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $3.00.**

DWARF CHAMPION

Acme. An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. **Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., $2.25.**

BEAUTY—Is the most popular of the **Large Purple Sorts.** Vines large, vigorous and heavy bearers; fruit large, uniform, very smooth purplish pink skin; flesh light pink, excellent flavor. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

EARLY MICHIGAN—An excellent uniform early red sort. First fruits are very early, while the vines continue bearing a long time. Vines large growers and very productive, will stand high culture. Fruit medium to large, increasing in size as the season advances. Smooth and free from cracks. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

TOMATOES

The dwarf, or tree tomatoes are good yielders, require no staking; therefore, fine for home garden.

DWARF STONE

DWARF STONE—The Largest Dwarf Tomato

Is the **largest Dwarf Tomato** in existence, it resembles "Dwarf Champion", in habit, but is of stronger growth and more erect.

The fruit is red, in shape and size similar to **"Tall Stone"**; specimens weighing one pound each are quite common. The season is nearly as early as "Dwarf Champion" but the fruits are twice the size of that sort. Amateurs not used to training vines, find this a splendid variety because of being **Dwarf** and robust.

The fruits are free from cracks at the stem end; they ripen evenly, are solid and splendid quality. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

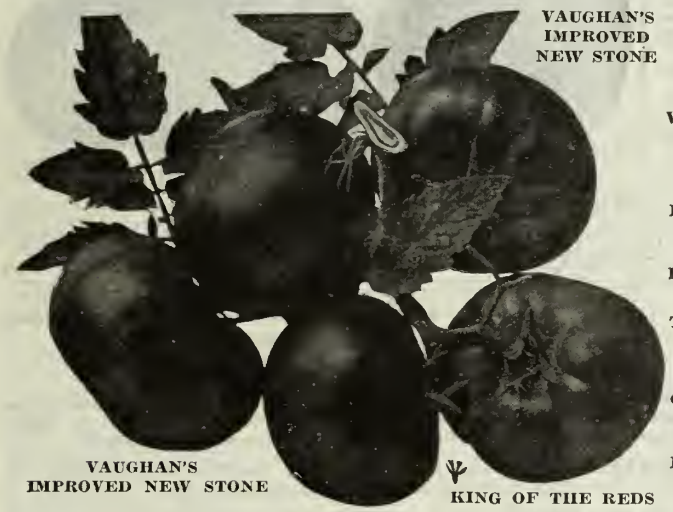
PONDEROSA—The Giant Tomato

Of the **Large Fruited** Tomatoes, this is a gem. The vines are of **strong growth.** When planted in good soil and pruned to a **single stem** the fruits often reach one pound in weight. They are largely oblong in form, deep through, usually ribbed or ridged, deep purple color, solid flesh, small seed cells and have fine sweet flavor. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

VAUGHAN'S IMPROVED NEW STONE

Known as the **"King of the Reds"**; it is the best of the **main crop Red** varieties.

We have reselected this very carefully to secure heavy yield, in which point as well as in size and appearance it is unequaled. The smooth, small cored, almost beefy flavored, scarlet tomatoes are a delight to the eater, and a joy to the grower. It is an exclusive main crop variety, almost entirely used by canners. Vaughan's reselected seed will make profit for you. **Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 70c; lb., $2.25.**



VAUGHAN'S IMPROVED NEW STONE

KING OF THE REDS

VAUGHAN'S TALL CHAMPION—An extremely strong **grower** and **heavy** bearer; the fruits are like "Dwarf Champion" in color and smoothness, but run a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very **hardy** and very **prolific**, one of the most desirable sorts for both home and market use. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 40c; ¼ lb., 75c; lb., $2.75.**

ENORMOUS—Very large, beautifully **smooth**, solid **flesh, few seeds; rather oval** shape, mid-season, ripens all through the fruit at once. Vines are not so productive as Matchless, but fruit is large. **Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., $2.50.**

HUSK or Strawberry—The small yellow fruits are each enclosed in a husk. They are very sweet, prized for eating, preserving and making pies. **Pkt., 5c; ½ oz., 15c; oz., 25c.**

TOMATO CORELESS—A late red, most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 fruits. Splendid for markets demanding red tomatoes and for home garden and canners. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb.. 80c; lb., $2.75.**

CRIMSON CUSHION—Or Beefsteak Tomato, is very large, round and regular; bright scarlet skin, flesh solid best quality, seed cells small and few. Plants are very prolific, fine appearance, **good shipper. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

MAGNUS—An **early main crop**; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruits are globe shape, purple and ripen evenly. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

SMALL FRUITED TOMATOES—The fruits are used for fancy pickles, etc.

TWO PEACH TOMATOES—Peach shape and color, eaten raw or preserved. Red or Yellow each. **Pkt., 10c; ½ oz., 20c; oz., 35c;** two mixed, **pkt., 10c; 3 for 20c.**

YELLOW PLUM AND RED PLUM—Fruits about 2 inches long, 1 inch through; the first is bright **lemon yellow**, the other, plum red. Solid flesh fine quality. **Each, pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

YELLOW PEAR—Distinct pear shape. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.75.**

RED PEAR-SHAPED—Larger **red** type of above. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

RED CHERRY—Little fruits, bright scarlet. **Pkt., 5c, ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

RED CURRANT—Very small. **Pkt., 5c; ½ oz., 15c.**

NEW GLOBE
A New Ball Shaped Type

This new **Globe** or **Ball Shaped** tomato is ideal for the home garden; it is excellent for slicing without waste, one slice like another. The rich juicy, meaty, tomato flavor, gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies, they **yield a heavy crop** and continue to bear until frost. The skin is glossy, **smooth** and a lovely **red**, the flesh is firm and has **few** seeds. By very careful breeding there are now very few off vines, most produce true **Globe Shaped** tomatoes. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

MATCHLESS—Large, bright red, long keeping tomato. The solid fruits are produced on strong, vigorous prolific vines. Very distinct desirable sort. **Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., $2.25.**

CREAM CITY—This is one of the very first large Tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 oz., 35c; ¼ lb., 70c; lb., $2.25.**

NEW GLOBE

SHAPED LIKE A BALL

OTHER STANDARD SORTS

Per pkt. 5c, of any of the following:

		½ oz.	1 oz.	¼ lb.	1 lb.
Atlantic Prize.	Early Red....	$0.12	$0.20	$0.60	$2.00
Buckeye State.	Late purple..	.12	.20	.75	2.60
Early Freedom.	Very early...	.12	.20	.75	2.50
Favorite.	Early, smooth, red good shipper	.12	.20	.60	2.00
Golden Queen.	Rich yellow...	.15	.25	.75	2.50
Honor Bright.	Best shipper; good quality	.12	.20	.60	2.00
Imperial.	Early purple.....	.12	.20	.60	2.00
Perfection	Solid flesh; blood red; late; a favorite.....	.12	.20	.60	2.00
Trophy.	Old standard; late...	.12	.20	.60	2.00

TURNIP PURPLE TOP WHITE GLOBE

WHITE FLESH VARIETIES

VAUGHAN'S

CULTURE
Sow in July or August on new land, 1 oz., to 150 ft. of drill. Drilled 1½ lbs. to the acre; broadcast, 3 to 4 lbs.
See Page 142 for Root Crops for Stock Feeding.

PURPLE TOP WHITE GLOBE

Originated from the "Purple Top Flat Turnip," and is extensively planted, and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size and globe shaped, has a splendid appearance, is a good producer and fine keeper. A splendid table variety and tip top for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, lb., 60c; 5 lbs., $2.65; 10 lbs., $5.00.**

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. **Pkt., 5c; oz., 10c; ½ lb., 20c; lb., 70c.**

EARLY SNOWBALL. Small, grows quick; white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE NORFOLK. Globular, late, solid. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

POMERANIAN WHITE GLOBE. Large, good both for table and stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEET GERMAN. A fine table sort, white flesh, excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

PURPLE TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

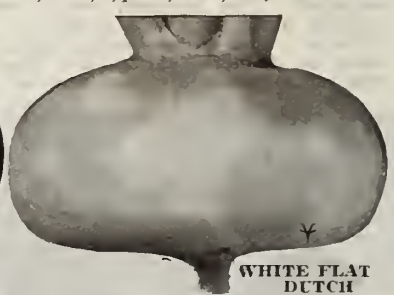
WHITE MILAN is the **earliest turnip,** but can be used Spring or Fall. The skin is smooth and snowy white so fine, it has a polished appearance; medium size, white, tender, sweet flesh; short foliage. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the southern States; is medium sized, sweet, tender and desirable for table use. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

COW HORN OR LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white, has slight green tinge on top. Table quality is best. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

PURPLE TOP MILAN



WHITE FLAT DUTCH

RHUBARB OR PIE PLANT ROOTS

These roots planted in good soil in the early spring will make a good growth, yielding stalks for the table the following spring.

CLUMPS, MAMMOTH VARIETY, 15c, 25c, 50c and $1.00 each, according to the size. Sent by express at buyers expense.

SEEDLINGS. One year from seed, **each, 15c; doz., $1.50, postpaid. By express, $6.00 per 100.**

NAMED VARIETIES. Chicago Giant, very heavy stalks. See description page 29. **Early Strawberry.** Sauce made from this variety has a pink color and a distinct strawberry flavor. Either sort, heavy clumps, **$1.00.** Divided clumps, **each, 45c, by express.**

HORSE RADISH SETS—See Page 29

JERUSALEM ARTICHOKE

ROSE COLOR

JERUSALEM ARTICHOKE ROOTS

Make fat, thrifty and healthy hogs. A very productive crop. Can remain in ground over winter—hogs will root them up. Plant three bushels per acre like potatoes. **Lb., 30c; 3 lbs., 75c, postpaid. By express, pk., 75c; bu., $2.00; bbl. (2¾ bu.), $4.25. At New York, bu., $2.50; bbl., $5.25.**

JERUSALEM ARTICHOKE
Rose Colored

French novelty, imported and grown on our farms. Smoother than ordinary and wonderfully productive, perfectly hardy. Will supersede old kind. Buy now and introduce in your neighborhood. **Lb., 40c; 3 lbs., $1.00, postpaid. By express, pk., $1.00; bu., $3.50; bbl. (2¾ bu.), $9.00.**

VAUGHAN'S CHOICE

We grow these in large quantities and also contract with careful hot bed growers to guard against failures.

NOTE. We can supply only the varieties listed here.

CABBAGE. Ready about April 20th. We can supply the following varieties: Early Jersey Wakefield, Glory of Enkhousen, Hollander or Dutch Winter, Savoy and Black Diamond (Red). Prices same as tomatoes.

CAULIFLOWER. Ready about April 20th, Vaughan's New Snowball and Extra Early Erfurt. Prices same as Tomatoes; see below.

CELERY, EARLY. Ready June 15th. White Plume, Golden Self Blanching and Giant Golden Heart.

CELERY, LATE. Winter Queen.

CELERIAC. Giant Prague.

Transplanted Plants. Doz., 20c, 50 for 50c, 100 for 75c, postpaid. By express—Doz., 15c; 100, 65c; 250 for $1.50; 500 for $2.50; 1,000 for $4.50.

CHIVES. Clumps of roots, by express, 15c; **doz., $1.00;** by mail, **add 10c.**

EGG PLANT. Ready about May 15th, Black Beauty and New York Purple Improved.

PEPPER. Ready about May 15th; Vaughan's Sweet Mountain, Magnum Dulce, Ruby King and Cayenne.

2-inch pot plant (by express at buyer's expense), **doz., 60c; 25 for $1.10; 100, $4.00.**

Transplanted plants from flats, doz., 35c; 25 for 60c; 50 for $1.10, prepaid. By express, doz., 30c; 100 for $2.00.

SWEET POTATOES. Ready about May 20th, Yellow Nansemond and Red Jersey Plants. **Doz., 20c; 50 for 65c; 100 for $1.00, postpaid. By express—Doz., 15c; 50 for 50c; 100 for 75c; 250 for $1.50; 1,000 for $4.00.**

TOMATO. Ready about May 15th. The following varieties: Earliana, Dwarf Champion, Dwarf Stone, Beauty, New Stone, Ponderosa and Yellow Plum.

Prices. See opposite for sizes—2-inch pot plants, sent by express (at buyer's expense), **doz., 50c; 25 for 85c; 100 for $3.00.** Transplanted plants from flats, **doz., 30c; 25 for 55c; postpaid. By express—Doz., 25c 50 for 90c; 100 for $1.75; 1,000 for $15.00.** Seedlings from the hot beds, **doz., 20c; 50 for 75c; 100 for $1.25, postpaid. By express—100 for $1.00; 1,000 for $6.00.**

TURNIPS

WHITE AND YELLOW VARIETIES.

EARLY PURPLE TOP—Strap Leaved

Fine table variety, being tender and of delicious flavor. It is in season about a week later than White Milan, in shape it is broad and flat like a disc, medium size, flesh white, fine grained and tender. On top the color is dark red or purple, below white, has few leaves, entirely upright in growth, good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, lb., 40c; 5 lbs., $1.75.**

YELLOW FLESHED VARIETIES

SUTTON'S CHAMPION. Round, big yielder, yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

YELLOW ABERDEEN. Large globe shaped table and stock variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

LARGE YELLOW, OR AMBER GLOBE. Fine quality and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

GOLDEN BALL or Orange Jelly. Medium size globular table turnip. Season early. Flesh golden yellow, very sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

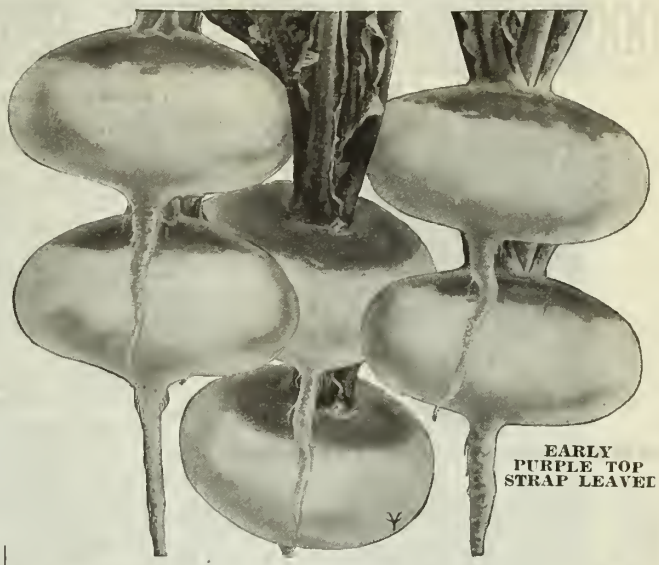
YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Fine keeper, good for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

VAUGHAN'S IMPROVED RUTABAGAS

VASSAR

This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. **Pkt., 5c; oz., 15c; ¼ lb., 25c**

Read what we say of "Hidden Values in Seeds" on inside back cover page.



EARLY PURPLE TOP STRAP LEAVED

SWEDES OR RUTABAGAS

Require longer season than Turnips do. For table use they have better flavor and usually keep better than Turnips. An excellent crop to raise for cattle and other stock feeding. Yield heavy, feeding value high. (See page 142.) Should be sown from first to middle of July for table use.

VAUGHAN'S IMPROVED. From stock of a purple top; largest size, best shaped variety. Small neck, smooth skin; good cropper and keeper. Excellent table quality; one of the best sorts for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express—5 lbs., $1.60.**

HURST'S MONARCH. Oblong form, yellow flesh, solid, fine grained, best flavor. For earliness and quality and weight is superior to any variety in cultivation. Produces two to seven tons per acre more than any other Swedes. The large percentage of saccharine matter make high feeding value. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

LAING'S. Large early, purple top, flesh yellow. **Pkt., 5c; 10c; ¼ lb., 15c; lb., 50c.**

WHITE SWEDE. Flesh white, solid, large. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

CARTER'S IMPERIAL. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

SKIRVING'S. Large yellow. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

BREADSTONE. Medium size, white roots. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

VEGETABLE PLANTS

HOT BEDS AND SASH. Grow your own plants. Complete hot bed box ten inches high front, sixteen inches rear, iron corner pieces. Two sash of four rows 8-inch glass, painted one coat, carefully packed, **$15.75.** Also see page 153.

We can also quote larger sizes and sash glazed and unglazed. Write for prices.

TREE SEEDS. Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, pear and locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart. **One-pound lots and less include postage; large lots at buyer's expense.**

	Pkt.	Oz.	¼ lb.	Lb.
Apple, 10 lbs., $5.50	$0.05	$0.10	$0.20	$0.60
Arbor Vitae, American	.10	.25	.85	3.25
Birch, White	.10	.15	.40	1.25
Box Elder (10 lbs., $4.00)	.05	.10	.15	.40
Catalpa Speciosa	.10	.30	.75	2.50
Locust, Honey (5 lbs. $1.75)	.05	.10	.15	.50
Locust, Black or Yellow	.05	.10	.15	.50
Maple, Oregon Mammoth	.05	.10	.35	1.25
Mulberry, Russian	.10	.20	.60	2.00
Osage Orange	.05	.15	.20	.75
Pear, French	.10	.20	.60	2.00
Pine, Scotch	.10	.20	.45	1.25
Spruce, Norway	.05	.15	.35	1.25

SMALL FRUIT SEEDS—These germinate slowly. Sow them early

STRAWBERRY BUSH ALPINE. Bushy globular form upright leaves. Can be used for border, fruits perfectly true from seed. We have both red and white. Plants have no runners. Sown early, they will bear the next year. Red or White. **Pkt., 10c.; 1 pkt. of each, 15c.**

NEW EVERBEARING STRAWBERRY "LA PERLE." Large fruited. **Pkt., 20c; 3 pkts., 50c.**

STRAWBERRY SEED, MIXED. Of several best kinds; new hybrid seed; may produce valuable sorts. **Pkt., 15c; 2 for 25c.**

STRAWBERRY, BELLE DE MEAUX. **Pkt., 15c; 2 for 25c.**

RASPBERRY SEED. Large fruited sorts, mixed. **Pkt., 10c; oz., 20c.**

CURRANT, RED. **Pkt., 10c; oz., 20c.**

CURRANT, WHITE, RED OR BLACK. **Pkt., 10c; oz., 20c.**

GOOSEBERRY. **Pkt., 10c; oz., 30c.**

TOBACCO SEED

COMSTOCK'S SPANISH. Wisconsin Favorite. **Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.**

PRIMUS. Yields big crops of extra fine quality. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

HARBY. Turkish; stands heat, drought. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.**

BRAZILIAN-AMERICAN. Finest Brazilian strain. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

BIG HAVANA. A hybrid Havana or Cuban seed leaf. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

GENERAL GRANT. Leaves 44 inches long, matures crop early. Ideal for cigars. **Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.**

CONNECTICUT SEED LEAF. Best adapted to the climate of the Middle and Northern states, as it is hardy. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

BIG ORONOKO. Has no equal for strips and dark wrappers. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

HERBS

HOP ROOTS. Plant early. **Each, 10c; doz., 85c; 100, $6.00.**

LAVENDER PLANTS. Used for seasoning and perfumes. First size, **15c each; 3 for 40c; doz., $1.50.** Second size, **25c each; doz., $2.00 postpaid.**

MINT. Old fashioned, for flavoring, sauces, etc. See page 58.

ROSEMARY. **15c each; doz., $1.50.**

SAGE. Holt's Mammoth. For seasoning and stuffing. Two-inch pot plants, **each, 15c; 3 for 40c; 12 plants for $1.50 by mail postpaid.**

THYME. Used for seasoning. **15c each; doz., $1.50.**

TARRAGON PLANTS. For flavoring and vinegar. First size, **15c each; doz., $1.15.**

TOMATO PLANTS—See Illustration

Pot plants offer many advantages over seedlings and transplants; they produce fruit much earlier and are more easily shipped.

SEEDLING TRANSPLANT POT PLANT

HERBS--SWEET, POT AND MEDICINAL

SWEET MARJORAM—MAJORAN—MARJOLAINE

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varietles preceded by an * are perennlals.

ANISE. Used for garnishing, seasoning and for cordials. **Pkt., 5c; oz., 10c; lb., 80c.**

***BALM.** Used for making Balm wine and tea. **Pkt., 5c; oz., 20c.**

BASIL, Sweet. The leaves are used for flavorlng soups, stews and highly seasoned dishes. **Pkt., 5c; oz., 15c; lb., $1.35.**

BENE. The leaves immersed ln a tumbler of water make a drink very beneficial in cases of dysentery. **Pkt., 5c; oz., 15c.**

BOHNENKRAUT. See Summer Savory.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used ln cooling drinks. **Pkt., 5c; oz., 15c; ¼ lb., 40c.**

BORAGE—GURKENKRAUT—BOURRACHE

CARAWAY Seeds are used for flavoring bread, pastry, meats, etc. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

CATNIP or Catmint Grown for bee pasture. The leaves and young shoots are used for seasoning. **Pkt., 10c; oz., 30c.**

CHAMOMILE (Matricaria Chamomile). The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. **Pkt., 10c; ¼ oz., 25c.**

***CHIVES.** Used for seasoning. Plants, per clump, 10c; doz., $1.00. By mail, add 5c per clump for postage. **Seed, pkt., 10c; ½ oz., 30c; oz., 60c.**

CORIANDER. The seeds are used for flavoring. **Pkt., 5c; ¼ lb., 20c; lb., 75c.**

DILL. Leaves are used in pickles and for flavoring soups and sauces. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. **Pkt., 5c; oz., 10c; ¼ lb., 25c.**

FENNEL, FLORENCE. An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

***HENBANE.** The growing plants are supposed to absorb malaria. **Pkt., 5c; oz., 25c.**

***HOP SEED. Pkt., 15c.**

***HOREHOUND.** The leaves are used for flavoring and also ln the manufacture of cough remedies. **Pkt., 5c; oz., 15c.**

HYSSOP. The tops and flowers are used for Hyssop tea. **Pkt., 5c; oz., 15c.**

***LAVENDER.** The leaves are sometlmes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

LAVENDER TRUE (Lavendula vera). The best. **Pkt., 10c; oz., 40c; lb., $4.00.**

Lavendula spica. Not quite so strong. **Pkt., 5c; oz., 10c; lb., $1.00.**

LAVENDER PLANTS. Give much better results than seed. **First size, 15c each; 3 for 40c; doz., $1.50; 2nd size, 25c each; doz., $2.00, postpaid.**

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.**

***MINT, Old Fashioned.** For mint sauce and julips. **Plants 1 yr. old, 15c each; doz., $1.50, postpaid. Plants 2 yrs. old, 20c each; doz., $2.00, postpaid. Large plants (by express), 50c each; doz., $4.00.**

PENNYROYAL. Leaves are used for seasonlng puddings and various dishes. **Pkt., 10c.**

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. **25 seeds, 10c; 100 seeds, 30c; 500 seeds for $1.25.**

PIMPINELLA (Burnett). The young tender leaves are used as salad; they have a flavor resembling that of cucumbers. **Pkt., 5c; oz., 15c.**

ROSEMARY. The leaves are used for seasoning. **Pkt., 5c; oz., 35c.**

***RUE.** For medical purposes; good for fowls for the croup. **Pkt., 5c; oz., 25c.**

FLORENCE FENNEL

SAFFRON. Used for coloring certain dishes, also flavorlng. **Pkt., 5c; oz., 10c; ¼ lb., 30c.**

SAGE, Holt's Mammoth. The plants are of strong growth, attaln a helght of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. **Price, each, 15c, 3 for 40c, 7 for 90c, 12 plants for $1.50 by mail, postpaid.**

SAGE. Leaves and tops are used for seasoning and stuffing. **Pkt., 5c; oz., 15c; lb., $1.50.**

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for bolled string beans. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

TAGETES LUCIDA. This possesses ln lts green parts almost exactly the true Tarragon flavor; of easlest culture. **Pkt., 5c; ½ oz., 25c.**

***TARRAGON (Artemisia dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. The flavor thus added is much llked. A hardy perennial. Plants only. **First size, 25c each; doz., $2.50; 2nd size, 15c each; doz., $1.50, postpaid.**

THYME. Used for seasonlng; a tea is also made for nervous headache. **Pkt., 5c; ½ oz., 15c; oz., 30c; lb., $3.50.**

WALDMEISTER (Asperula Odorata). Used in May Wine and also for scenting clothes. **Pkt., 10c.**

***WORMWOOD.** Beneficial for poultry; should be planted ln poultry yards. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20.**

GROW GLADIOLUS FOR CUT FLOWERS. SEE PAGE 92.

PARCELS POST RATES ON MERCHANDISE, NOT SEEDS—Seed postage rate—2 oz., 1 cent; 16 oz., 8 cents.

The following schedule of rates applies, however, to many items in this catalogue, Fertilizers, Insecticides, Garden Tools, Poultry Supplies, Raffia and many items not seeds, plants or bulbs, and which will be found mainly in the back part of this catalogue.

On March 16th next all the books which we here offer weighing over 8 ounces will go at the parcels post rates.

Local	Lbs.	1	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30-31	32-33	34-35	36-37	38-39	40-41	42-43	44-45	46-47	48-49	50
	Postage	5c	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Zone 1 and 2 150 Miles	Lbs.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	Postage	5c	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54

Weight	1 lb.	2 lbs.	3 lbs.	4 lbs.	5 lbs.	6 lbs.	7 lbs.	8 lbs.	9 lbs.	10 lbs.	11 lbs.	12 lbs.	13 lbs.	14 lbs.	15 lbs.	16 lbs.	17 lbs.	18 lbs.	19 lbs.	20 lbs.
Zone 3 300 Miles	6c	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
Zone 4 600 Miles	7c	11	15	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	79	83
Zone 5 1000 Miles	8c	14	20	26	32	38	44	50	56	62	68	74	80	86	92	98	1.04	1.10	1.16	1.22
Zone 6 1400 Miles	9c	17	25	33	41	49	57	65	73	81	89	97	1.05	1.13	1.21	1.29	1.37	1.45	1.53	1.61
Zone 7 1800 Miles	11c	21	31	41	51	61	71	81	91	1.01	1.11	1.21	1.31	1.41	1.51	1.61	1.71	1.81	1.91	2.01
Zone 8 Over 1800 Miles	12c	24	36	48	60	72	84	96	1.08	1.20	1.32	1.44	1.56	1.68	1.80	1.92	2.04	2.16	2.28	2.40

Vaughan's Flower Seeds

AGERATUM—Blue Perfection

SNOW WHITE CARPET PLANT

☞ THE FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong

⊙ ***Annuals*** These attain full growth from seed, flower and die the first year.

⊙ ***Biennials*** These grow from seed the first year, bloom and die next, though some varieties bloom the first year if sown early.

⌙ ***Greenhouse Plants*** Start inside and cultivate in pots or else transplant outside when all danger of frost is over.

2ℓ ***Perennials*** These last for several years, blooming annually after the first season, though some varieties bloom the first year if sown early.

⌓ ***Stove Plants*** To be grown inside all year. For pots only.

§ ***Climbing Plants*** Climbers.

VAUGHAN'S GENERAL FLOWER SEED LIST

50 **ABOBRA Viridiflora** 2ℓ § 15 ft. A rapid growing climbing gourd with scarlet, cherry-like fruit and dark green foliage. Pkt 10

55 **ABRONIA Umbellata Grandiflora** ⊙ 6 in. Very pretty trailing Sand Verbena, with numerous clusters of sweet scented rosy-lilac flowers. Does well in poor soil. 1oz 15c.. 5

58 **ABRUS Precatorius** ⌓ § 12 ft. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing.....1 oz 15c.. 5

62 **ABUTILON Royal Prize** ⌙ 3 to 4 ft. Flowering Maple. Beautiful little bushes covered with bell-shaped flowers dotted and veined 15

63 **Good Mixed**. Contains many new colors..... 10

70 **ACACIA Lophanta Speciosa** ⌙ 6 ft. Handsome greenhouse shrub. Yellow flowers and feathery foliage. Soak seed in warm water before sowing..... 10

71 **Mixed**.....1 oz 20c.. 5

76 **ACANTHUS Latifolius** 2ℓ 3 ft. Handsome decorative plant, broad deeply cut foliage; beautiful for solitary plants in lawn or for grouping with other plants.....1 oz 15c.. 10

77 **Mollis** 2 ft. Similar to the above; more graceful. 1 oz 15c.. 10

82 **ACHILLEA, The Pearl** 2ℓ 3 ft. From spring until frost covered with heads of purest white flowers; very double. Useful for cut flowers. Sow seeds early..... 10

86 **ACONITUM Napellus** 2ℓ 3 ft. Monkshood. Long spikes of curiously shaped blue flowers. Plant in shrubbery or shady places of the garden. Seeds germinate slowly..¼ oz 25c.. 5

92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing lovely rose pink flowers, which, when cut in the bud state, can be dried and used for winter bouquets. 5

93 **Roseum Flore Albo** White.....¼ oz 10c.. 5

94 **Mixed**.....¼ oz 15c.. 5

100 **ADENOPHORA Potaninii** 2ℓ 18 in. Light blue bell-shaped flowers produced on slender spikes in July and August.... 10

105 **ADLUMIA Cirrhosa** 2ℓ § 15 ft. Known as the Allegheny Vine. The feathery foliage is like the Maidenhair Fern. The flowers are tube-shaped, delicate rose pink and white, and cover the plant. For covering trellises, stumps of trees, etc., it is very desirable..... 10

108 **ADONIS Aestivalis** ⊙ 1 ft. Flos Adonis. Pretty little plant with feathery fresh green foliage, dotted with innumerable small blood-red flowers.....1 oz 10c.. Pkt 5

110 **Vernalis** 2ℓ 18 in. Flowers of bright yellow..½ oz 15c.. 5

115 **AGAPANTHUS Umbellatus** ⌙ 1 ft. Blue Lily of the Nile.. 10

120 **AGATHEA Coelestis** 2ℓ 1 ft. Blue Daisy. Sky blue flowers with yellow disk. Fine winter bloomer..... 10

AGERATUM ⊙

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a low mass of charming blue or white.

121 **Mexicanum Coeruleum** 18 in. Blue.....¼ oz 10c 5

122 **Album,** White.....¼ oz 10c.. 5

123 **Mixed**.....¼ oz 10c.. 5

124 **Nanum, Blue Perfection** 9 in. The darkest Ageratum grown from seed.....¼ oz 25c.. 10

125 **Imperial Dwarf Blue.** 6 in. A good plant for the ribbon border.....⅛ oz 15c.. 5

126 **Imperial Dwarf White**.....⅛ oz 15c.. 5

127 **Little Blue Star** 4 to 5 in. A handsome variety, different from all other dwarf sorts. The tiny bushy plants are filled with clusters of flowers of light blue with dark red center, changing to pure light blue..... 10

128 **Princess Victoria Louise** 6 in. This is the prettiest of the dwarf Ageratums. It grows in dense bushy plants covered with lovely sky blue flowers with white centers 10

129 **Lasseauxi** 3 ft. Plants grow vigorously and produce their soft pink flowers the entire summer..... 10

135 **AGROSTEMMA Coeli** ⊙ 1 ft. Rose of Heaven..½ oz 15c.. 5

136 **Flos Jovis** 2ℓ 1 ft. Beautiful pink flowers..½ oz 15c.. 5

139 **Coronaria Varieties Mixed,** Mullein Pink, 1 to 2 ft..... 5

Allegheny Vine see Adlumia.

150 **ALONSOA Warscewiczi** ⊙ 2 ft. A fine plant with orange scarlet flowers, suitable for bedding. A sunny spot should be chosen. Fine for cutting..... 10

ALYSSUM ⊙

Benthami Maritimum, Sweet Alyssum

159 This is one of the finest annuals we have and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and blooms until frost. It is a neat, thrifty, healthy grower and should be cultivated by every one who wants an all around good plant. Sow the seeds wherever the plants are to remain. If too thick, thin out. To prevent sowing too thickly mix the seed with sand before sowing. .....1 lb. $2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c.. Pkt 5

Vaughan's Little Gem

160 This should really be called the Snow-white Carpet Plant, for the plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful carpet spread over the ground. We know of no other flower which is so particularly well adapted for borders, ribbons, etc., as our Little Gem Alyssum. The plants commence to bloom when quite small, and will flower all summer long until late in the fall. This habit, with its fragrance, makes it indispensable.....1 oz. 75c; ½ oz. 40c; ¼ oz. 25c... 10

164 **Saxatile—Basket of Gold** 2ℓ 12 in. Flowers brilliant golden yellow, completely hiding the foliage. Desirable for rock work and quite showy in masses....¼ oz 15c.. 5

AMARANTHUS ⊙

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty.

170 **Atropurpureus** 4 ft. Beautiful dark purple flowers.... 5

171 **Caudatus, Love lies bleeding.** 3 ft. Blood red, drooping. 5

172 **Salicifolius** 3 ft. Willow leaved. Graceful red and yellow foliage of drooping habit..... 5

173 **Tricolor Splendens—Joseph's Coat** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil..... 5

180 **Fine Mixed.** All the above and many others. 1 oz. 25c.. 5

190 **AMBROSIA Mexicana** ⊙ 2 ft. Very curious, long spiral stems, bearing an abundance of small round greenish yellow buds and blossoms which are exceedingly fragrant..... 10

194 **AMMOBIUM Alatum Grandiflorum** ⊙ 2½ ft. This pretty white Everlasting should be in every garden. Grows in sandy soil.....½ oz 15c.. 5

198 **AMPELOPSIS Veitchii** 2ℓ § The well-known Boston Ivy. See description on plant pages.....½ oz 15c.. 5

200 **ANAGALLIS Grandiflora Mixed** ⊙ 6 in. Bushy plants, rich Browallia-like flowers 1 in. across, ...⅛ oz 10c.. 5

205 **ANCHUSA Capensis** ⊙ 2 ft. Cape Forget-me-not. A rare and little known annual of great beauty which will thrive where scarcely anything else will grow, ...½ oz 20c.. 5

206 **Italica Grandiflora, Dropmore Variety.** 2ℓ Stems covered from May to August with numerous wide star flowers of intense blue, of great decorative effect in beds or borders 25

ANEMONE—Wind Flower 2ℓ

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Fine for bouquets.

210 **Coronaria, Mixed Colors** 10 in. (Poppy Anemone).... 5

211 **Coronaria, St. Brigid's Strain.** Double and Single Mixed 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors..... 15

212 **Pulsatilla** 10 in. Blooms in May. Flowers violet or purple; fine for rockery 10

213 **Sylvestris** 1½ ft. One of the most satisfactory for the border; flowers large, cup-shaped, pure white..... 10

225 **ANTHEMIS Kelwayi** 2ℓ 2 ft. A most satisfactory plant, bearing all summer, daisy-like golden-yellow blossoms, excellent for cutting..... 10

228 **ANTIGONON Leptopus** ⌓ § Mexican Mountain Rose. 5

ANTIRRHINUM—Snapdragon

ANTIRRHINUM MAJUS GRANDIFLORUM ⊙ 18 in.

Giant Fragrant Snapdragon

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. Spring-seedlings bloom by midsummer, and if the flowers are cut freely the flowering is continuous till Fall. If intended for winter flowering in the house, cut them well back in September. The Snapdragon, like most perennials and biennials which bloom the first year, is treated like an annual and sown every year. Pkt

241 **Queen Victoria** 3 ft. The best tall growing white.... 10

242 **Luteum, Golden King** 10

243 **Lovely** Delicate rose with pink lip..... 10

244 **Delicata** Daybreak Pink 10

245 **Brilliant Rose**..... 10

246 **Coral Red** Dark Rose..... 10

247 **Delila** Carmine and yellow with white throat..... 10

248 **Brilliant Scarlet** 10

249 **Butterfly** Striped..... 10

250 **Firefly** Scarlet and White 10

260 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** of Giant Snapdragons includes all the above and many others, ... 1 oz. $1.25, ¼ oz. 45c; ⅛ oz. 25c 15

261 **Majus** Tall sorts mixed, ...1 oz. 40c; ¼ oz. 15c.. 5

MAJUS NANUM, Dwarf Sorts

265 **Snow Queen** 8 in. Splendid for pots and edging. Beautiful white flowers all summer..... 10

266 **Queen of the North** 12 in. Handsome, regular bushes covered with large white flowers, deliciously sweet.... 10

267 **Aurora** A very striking color, cinnabar-scarlet with a white throat, a most pleasing and lively contrast..... 10

268 **Fireball** 15 in. The color is the most dazzling scarlet. 10

269 **Black Prince**..... 10

270 **Dwarf Sorts Mixed**..... ¼ oz 20c 5

AQUILEGIA—Columbine

BEGONIA—Semperflorens Type

ASPARAGUS—Plumosus Nanus

AQUILEGIA ♃ Columbine

Pkt

Charming hardy plants, bearing in countless numbers through May and June exquisite clear blue, white, rose, yellow, purple and striped blossoms. For planting in permanent borders or edges of shrubbery this old-fashioned favorite is one of the best.

312 **Chrysantha** 3 ft. Golden yellow, long spurred ⅛ oz 15c.. 10
313 **Chrysantha Fl. Pl** 3 ft. Double golden yellow flowers.. 15
314 **Chrysantha Grandiflora Alba** 3 ft. White spurred Columbine. Large flowering, pure white, long spurs.... 10
320 **Coerulea** Rocky Mountain Columbine, 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white.....⅛ oz 25c.. 10
321 **Coerulea Hybrida** 2½ ft. Haylodgensis. Large flowers, long spurred hybrids.....⅛ oz 30c.. 10
322 **Coerulea Rosea, Rose Queen** 2½ ft. The plants produce on long slender stalks in great profusion, beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate and beautiful combination of colors.... 15
327 **Helenae** 2 ft. The flower stalks bear large flowers of rich deep blue with a white corolla..... 10
328 **Nivea Grandiflora** 15 in. Large pure white..... 5
329 **Vervaeneana Atroviolacea Plenissima** Double violet 5
333 **Vulgaris Alba Plena** 2 ft. Double white flowers, fine for cutting and the wild garden.....¼ oz 15c.. 5
334 **Vulgaris Single Mixed** Many varieties.....¼ oz 10c.. 5
335 **Vulgaris Double Mixed**.....¼ oz 15c. 25
340 **Vaughan's Special Mixture** Includes all the above mentioned varieties and will produce a magnificent bed of these desirable hardy plants..... 25

351 **ARABIS Alpina** ♃ 6 in. One of the earliest flowers to bloom in the spring. The flowers resemble Sweet Alyssum, are deliciously fragrant and completely cover the plant. Fine for rock work.....1 oz 80c, ¼ oz 25c.. 5
355 **ARCTOTIS Grandis** ⊙ 2 ft. A handsome annual from Africa, growing luxuriantly and forming profusely branched bushes. Its flower heads, borne on long stems, are 3 in. across, pure white on the upper surface, reverse of petals being pale lilac..... 10
360 **ARISTOLOCHIA Sipho—Dutchman's Pipe** ♃ § 30 ft. .....30 seeds.. 10
365 **ARMERIA Formosa** ♃ 16 in. A very pretty edging plant bearing large tufts of rosy pink flowers nearly all summer.. 10
366 **Laucheana** 6-inch ♃ Forms dense, compact, deep green tufts studded with small spikes of crimson flowers 10
367 **Maritima** 1 in..... 5
370 **ARTEMISIA Annua** ⊙ 5 to 6 ft. Ornamental foliage plant. 5
371 **Sacrorum Viridis, Summer Fir** Ornamental foliage plant introduced from China. Reaches its full size in one year from sowing. The color of the finely pinnated foliage is a rich, dark green..... 15
376 **ASCLEPIAS Tuberosa** ♃ 2 ft. One of the showiest of our native perennials and produeing from July until frost compact umbels of brilliant orange flowers 10

384 **ASPARAGUS Plumosus Nanus** ⌓ 3 ft. Lace fern. Pkt
Most popular house plant today. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. Vaughan's Greenhouse grown seeds of this are most reliable. 100 seeds $1.00: 50 seeds, 60c; 25 seeds, 35c; 7 seeds 10
385 **Hatcheri** ⌓ ? A rapid and heavy-growing Asparagus for indoor culture. The foliage is finer than the Asparagus Plomosus, from which it is a selection.....10 seeds 25
386 **Sprengeri** ⌓ Excellent for hanging baskets, 100 seeds, 40c; 50 seeds, 25e; 15 seeds..... 10
389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet scented annual with light blue flowers..... 5
390 **Odorata** ♃ 6 in. Waldmeister. Grown for its fragrant leaves and stems, which when dried have a sweet odor and are used for putting among clothes, etc.; also used to flavor the May wine..... 10

BEGONIA ⌓ ⌓ 8 to 12 in.

700 **Single Tuberous-Rooted Mixed** Blooms first season from seed, if sown in January or Mareh in a temperature of 60 degrees..... 20
701 **Double Tuberous-Rooted Mixed** Flowers of elegant form and substance..... 25
702 **Frilled Tuberous-Rooted** Our Seed has been saved from selected, best frilled flowers, carefully hybridized and will produce magnificent flowers in all shades..... 25
703 **Tuberous Rooted Lafayette Hybrids** There are superb varieties with flowers of bright scarlet shades and bronze leaved..... 25
704 **Tuberous Rooted Victoria** This is one of the new double varieties with waved and curled petals..... 25

Everblooming Bedding Varieties

705 **Erfordia** A very pretty variety, densely covered with handsome flowers of a delicate rose color..... 15
706 **Gracilis Luminosa** With large bright scarlet flowers and magnificent satiny brown-red foliage..... 20
708 **Gracilis Mignon** 8 in. The plans form globular bushes and are covered with blossoms of a fiery scarlet hue, with prominent yellow anthers. The foliage is a soft dark green, spotted and bordered with bronzy red.... 15
709 **Semperflorens Alba**..... 10
710 **Semperflorens Atropurpurea Vernon** Bright orange carmine flowers, deep red foliage..... 10
711 **Berna** The foliage is very dark,. Flowers large, bright carmine-red..... 15
712 **Lubeca Red** The flowers are a brilliant carmine-red and are borne freely above the red-brown foliage..... 20
713 **Rex** ⌓ Ornamental leaved in splendid mixture. 250 seeds 30

SPECIAL OFFER A. S. 2
One regular sized packet each of the 9 Branching Asters for 50c cents net

ASTER—Giant Branching

ASTER—Queen of the Market

ASTER—Giant Comet

ASTERS

The grand old fall favorite of our grandmother's garden still continues to beautify our garden. By gradual selection this plant now blooms from early summer until frost and its usefulness as a cut flower is unlimited. Sow either in the open ground in May or in March or in April in cold frame, spent hot-beds or pots or boxes in the house, covering the seed with about ¼ in. of good rich soil; when the plants are strong enough transplant about 18 in. apart in deeply dug, well prepared beds. Asters must not be planted in freshly manured soil nor in soil that has been planted to asters for two or three years previous. Unslacked lime or fresh wood ashes are beneficial if stirred in the soil a little before planting and are said to counteract the ravages of the aster blight. A few soakings with tobacco water about the roots during the growing season is also recommended.

DWARF SECTION Up to 10 in.

Pkt

400 **VAUGHAN'S LITTLE GEM** Neat bushes covered with flowers of the most charming combination of pink and white. A clump or row of them will form a pleasing spot in the garden..... 10

401 **VAUGHAN'S SNOWBALL** The best dwarf white Aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequaled in any other dwarf Aster. ⅛ oz 40c 15

402 **VAUGHAN'S FIRE BALL** The most brilliant dwarf Aster. It forms a neat well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots.....⅛ oz 40c.. 15

403 **VAUGHAN'S PINK POMPON** The best dwarf pink Aster, in every respect like the Snowball, except the color, which is the most brilliant satiny rose, turning lighter toward the edges of the flowers.....⅛ oz 40c.. 15

404 **GLORIA or Buttonhole** Very branching and free blooming. The flowers, 1½ in. in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases..... 15

405 **PIGMY Mixed** Pretty plants of handsome form, completely covered with flowers, each plant forming a neat bouquet.....⅛ oz 25c.. 10

DWARF QUEEN

This splendid Aster makes low, compact, bushy plants, which produce a great number of double, extra large flowers like the Victoria Aster 3 in. across. Excellent for bedding and for pots.

410 **White**..... 10 415 **Flesh**..... 10
411 **Pink**..... 10 416 **Lilac**..... 10
412 **Crimson**..... 10 417 **All Colors Mixed** 10
414 **Dark Blue**..... 10

DWARF CHRYSANTHEMUM FLOWERED

Of very compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession.

418 **White**..... 425 **Crimson**.....
419 **Rose**..... 426 **Peach blossom**.....
420 **Scarlet**..... 427 **White** turning to **Azure Blue**.....
421 **Light Blue**.....
422 **Dark Blue**..... 428 **White** turning to **Rose**
423 **Azure Blue**.....
Each of the above.....⅛ oz 30c.. 10
430 **All Colors Mixed**.....⅛ oz 25c.. 10

SEMI-TALL SECTION 11 in. to 16 in.

GIANT COMET

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

Pkt

431 **White**..... 436 **Carmine**.....
432 **Sulphur Yellow**..... 437 **Crimson**.....
433 **Queen of Spain**, soft yellow turning to flesh.... 438 **Light Blue**.....
439 **The Bride**, white turning to pink.....
434 **Salmon Rose**..... 440 **Lavender**.....
435 **Rose**..... 441 **Dark Blue**.....
Each of the above.....¼ oz 40c; ⅛ oz 25c.. 10
442 **All Colors Mixed**.....¼ oz 35c; ⅛ oz 20c.. 10

CHRISTMAS TREE

A new class of pyramidal habit, very free flowering.

466 **White**..... 467 **Rose**..... 468 **Dark Scarlet**..
Each of the above..... 10

DAYBREAK

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

470 **Purity** Pure white.... 10 471 **Daybreak** Shell-pink. 10

THE MIKADO

The Mikado belongs to the Comet class. Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl each other in such magnificent disorder as to make the fluffiest Aster we have ever seen.

480 **White**..... 15
481 **Pink Rochester** Exquisite shade of shell pink. The official flower of the city of Rochester, New York..... 15

QUEEN OF THE MARKET

The best early Aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White**..... 488 **Crimson**.... 490 **Silvery Lilac.**
486 **Flesh**..... 489 **Scarlet**..... 491 **Dark Lilac**..
487 **Pink**..... 492 **Dark Blue**..
Each of the above.....¼ oz. 25c.. 10
493 **All Colors Mixed**.....¼ oz. 20c.. 10

ASTERS—Continued

SEMI-TALL SECTION 11 in. to 16 in.

VAUGHAN'S IMPROVED VICTORIA

Undoubtedly one of the most handsome asters in cultivation, and we have an excellent strain of it. Flowers are large, perfectly double, globular and imbricated; plants are of fine pyramidal form, an effective bedding variety.

500	**White**	505	**Scarlet**	
501	**Miss Roosevelt** Primrose changing to flesh	506	**Crimson and White**	
		507	**Light Blue**	
502	**Apple blossom**	508	**Azure Blue**	
503	**Pink**	509	**Dark Blue**	
504	**Crimson**	510	**Dark Blue and White**	

511 **Indigo Blue on White Ground.** Pkt

Each of the above ..... ⅛ oz. 50c.. 10

512 **All Colors Mixed** ..... ⅛ oz 35c.. 10

513 **Imported Collection 12 Varieties** 60

514 **Imported Collection 6 Varieties** 30

CREGO

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect. Pkt.

515 **White** 20

516 **Shell Pink** 20

517 **Rose Pink** 20

518 **Lavender** 20

520 **Dwarf Asters Mixed, All Classes and Colors.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters are desired this will answer the purpose nicely, Does not contain as many sorts as the Excelsior, but all the standard colors are represented.

Oz., $1.00; ⅛ oz., 20c 5

VAUGHAN'S EXCELSIOR MIXTURE OF DWARF ASTERS

525 VAUGHAN'S SPECIAL

Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower ..... ⅛ oz 50c; extra large pkt, 25c; pkt. 15c

ASTER—Giant Ostrich Feather

529 **VAUGHAN'S BEAUTY.** A splendid red sort, resembling the Victoria aster in shape and size of flowers. The color is the brightest red imaginable, with a satiny gloss.. Pkt 10

CARLSON OR INVINCIBLE. The Early Branching Aster The flowers are large and firm; the stems long and stiff, and the colors are decided and pleasing. The plants grow about 24 in. high and come into bloom about 10 days before the Giant Branching aster.

530	**White**	533	**Lavender**	
531	**Daybreak Pink**	534	**Violet Blue**	
532	**Rose Pink**			

Each of the above ..... ⅛ oz 25c.. 10

535 **All Colors Mixed** ..... ⅛ oz 20c.. 10

TALL SECTION 16 in. and up.

VAUGHAN'S GIANT BRANCHING

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540	**White**	545	**Crimson**	Pkt.
541	**White turning to Rose**	546	**Scarlet**	
542	**Flesh Pink**	547	**Lavender**	
543	**Rose Pink**	548	**Purple**	
544	**Cinnabar Carmine**			

Each of the above ..... ⅛ oz 25c.. 10

549 **All Colors Mixed** ..... ⅛ oz 20c.. 10

SMITH'S PEERLESS

This strain, a selection of the Giant Branching, is without reservation the finest aster for cut flower purposes we have ever seen. The style and substance of the flowers and formation of the plant outclassed all other asters grown for comparative test in our Trial Grounds this season. The stems are long and wiry, the flowers of great depth and densely petaled and even a full blown flower never exhibited the yellow disk.

547 **White** ..... 10 548 **Pink** 10

UPRIGHT BRANCHING

This type grows, as its name indicates, upright, not spreading, and therefore permits of close planting. Flowers are very large and double, and the stems up to 20 in. long.

555 **White,** ⅛ oz., 25c....10 556 **Pink,** ⅛ oz.. 25c... 10

560 **HERCULES White.** The plants throw very strong stems, which begin branching about 4 in. from the ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers are pure white, with long petals, borne on remarkably strong stalks.... 25

VAUGHAN'S GIANT OSTRICH FEATHER

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563	**White**	567	**Crimson**	
564	**The Bride** White changing to pink			
565	**Soft Pink**	568	**Silvery Lilac**	
566	**Rose**	569	**Blue**	

Each of the above ..... ⅛ oz 30c.. 10

570 **All Colors Mixed** ..... ⅛ oz., 25c.. 10

ASTERS---Continued

TALL SECTION—Continued. 16 inches and up

581 **Soleil D'or (Golden Sun)** This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow. This variety was much admired in our Trial Grounds the past season..... Pkt 15

620 **Asters Tall Mixture.** All classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains are lacking, still many charming varieties are included, in this, and the flowers will be a succession of long stemmed cut flower material from early in the summer to late in the fall. 1 oz., 75c; ¼ oz., 25c..... 5

VAUGHAN'S IMPROVED PEONY PERFECTION

One of the handsomest sorts; flowers are borne on long wiry stems, are very large, 3 to 4 in. in diameter, very double, in shape like a Peony. The petals incurve and give the flowers a ball like appearance. This is especially true during the early flowering season. Mid-season to late flowering.

588 **Pure White**
589 **Sunlight Yellow**
590 **Daybreak Pink**
591 **Pink and White**
592 **Brilliant Rose**
594 **Brilliant Scarlet**
595 **Gravelotte** Blood-red
596 **Amethyst**
Crimson
597 **Light Blue**
598 **Light Blue and White**
599 **Azure Blue**
600 **Surprise,** Chamois turning to pink
601 **Sky Blue and White**
602 **Dark Blue**
603 **Shining Blue Black.**

Each of the above..... ⅛ oz. 25c.. Pkt 10

604 **All Colors Mixed**..... ⅛ oz 20c.. 10
605 **Imported Collections** 12 Varieties..... 50
606 **Imported Collections** 6 Varieties..... 25
607 **White Asters in Mixture** Composed of all the tall growing white sorts..... ⅛ oz 25c.. 10

VAUGHAN'S EXCELSIOR MIXTURE OF TALL ASTERS

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain. ⅛ oz., 50c; extra large pkt., 25c; pkt., 15c.

SINGLE ELEGANCE or MARGUERITE ASTER

Best single Aster. Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 in. in diameter, with small yellow centers, and last a week when cut.

627 **White** 628 **Lavender** 629 **Dark Blue** 630 **Light Rose**
Each of the above..... Pkt 10

BALSAM—Vaughan's Invincible Mixture

ASTER 2ℓ HARDY ALPINE MIXTURE

650 Sow the seed early, and they will bloom profusely during the entire fall, and make plants that will bear hundreds of flowers year after year. The flowers are bright and very beautiful; many are deep blue with yellow center..... Pkt 15

660 **BALLOON VINE** ⊙ ⸗ 10 ft. Thrives in light soil. One of the prettiest climbers. Remarkable for its inflated membranous cepsules containing the seed. It is sometimes called Love in a Puff. Flowers white; oz., 20c..... 5

661 **BALSAM Apple and Pear Mixed** ⊙ ⸗ 10 ft. Very curious rapid and dense climbers. with ornamental foliage and golden yellow fruit, which open when ripe, showing the seed and the blood-red interior..... 1 oz., 35c.. 5

DOUBLE BALSAM Lady Slipper ⊙ 1½ to 2 ft.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plant should be set from 12 to 18 in. apart. Only best quality seed should be sown. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 **Alba Perfecta** Extremely double, very large, and of the true Camellia shape..... ⅛ oz., 15c.. Pkt 5

676 **Lemon Yellow**
677 **Flesh Pink**
678 **The Queen** Satiny rose
679 **Prince Bismarck** Salmon pink
680 **Crimson**
681 **Crimson Spotted**
682 **The King** Brilliant scarlet
683 **Atrosanguinea Plena** Flowers and leaves, red
684 **Solferino** Striped lilac, white and scarlet
685 **Lilac**
686 **Dark Blue**
Each of the above..... ⅛ oz., 15c.. Pkt 5

689 **Double Rose and Camellia-flowered Mixed** ½ oz., 15c.. Pkt 5

690 **Vaughan's Invincible Balsams Mixed** Like all of Vaughan's Special Mixtures, this is made from separate colors and choice strains and includes everything that is desirable in Balsams..... ¼ oz 35c... Pkt 10

691 **Dwarf Balsams Mixed** 8 in. These are very useful for borders; the plants make perfect little bushes with flowers that are double and semi-double and the colors are very pretty and pleasing..... ¼ oz 25c.. Pkt 5

692 **Goliath White** 4 ft. Remarkable for their immense height, extreme doubleness of the blossoms and their long season of flowering. Excellent for formation of large and striking flower groups..... Pkt 10

593 **Goliath Scarlet**..... Pkt 10

694 **Giant Cream.** A beautiful, rich, creamy, primrose color. Exceedingly double and of fine robust form..... Pkt 10

695 **BAPTISIA Australis** 2ℓ 2 ft. (False Indigo.) Beautiful light blue flowers appearing in midsummer .... 1 oz 30c.. Pkt 5

696 **BARTONIA Aurea** ⊙ 12 in. A pretty flowering plant of the Gentian family and somewhat like a Wild Rose in appearance. Producing a profusion of fine, bright metallic yellow blossoms..... ½ oz., 15c... Pkt 5

BELLIS—Daisy

CALENDULA—Pot Marigold

CALLIOPSIS—Tickseed

BELLIS PERENNIS Fl. Pl. 2ℓ ⊙ Double Daisy. 6 to 8 in.

A low growing spring flowering plant, a companion to the pansy and forget-me-not. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed. The poets' favorite.

		Pkt.
720	**Snowball** Double pure white.....⅛ oz 50c..	10
721	**Longfellow** Double dark pink.....⅛ oz 50c..	10
722	**Double Good Mixture**.....⅛ oz 25c..	5
723	**Mammoth White** Larger than Snowball.....	10
724	**Mammoth Pink** Larger than Longfellow.....	10
725	**Mammoth Mixed**.....	10
726	**Monstrosa White** Flowers frequently attain the size of Zinnias. The flower stems are long and stiff and almost as thick as a pencil.....	15
727	**Monstrosa Pink**.....	15

730 **BIDENS Atrosanguinea** ⊙ 2½ ft. Miniature Black Dahlia, or Black Cosmos. Produces an abundance of crimson-maroon flowers of velvety texture 4 in. in diameter. 5

732 **BOCCONIA Japonica** 2ℓ 4 ft. Plume Poppy. Ornamental plant with cream color flowers, excellent for groups.... 5

BRACHYCOME Iberidifolia ⊙ 12 in. Swan River Daisy. Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.

737 **White.** ⅛ oz 10c 5 | 739 **Blue**.....⅛ oz 10c.. 5
738 **Pink...** ⅛ oz 10c 5 | 740 **All Colors Mixed.** ⅛ oz 10c.. 5

744 **BRIZA Maxima** ⊙ 12 in. Quaking Grass. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion..... 5

745 **BROWALLIA Speciosa Major** Giant Blue ⊙ 1 ft. With large deep blue flowers, excellent for pot culture..... 15
746 **Elata Mixed**..... 5

748 **BRYONOPSIS Laciniosa** ⊙ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color as the season advances to bright scarlet striped with white..... 5

750 **CACALIA Mixed** ⊙ 2 ft. Pretty free blooming plants with tassel-shaped flowers; called by some Devil's Paint Brush. 5

752 **CALAMPELIS Scaber** 2ℓ ⊙ § 6 ft. Pretty vine with orange-colored tube-shaped flowers..... 10

754 **CALANDRINIA Umbellata** ⊙ 6 in. Flowers dazzling magenta crimson, ½ in. in diameter, produced all summer..... 10

755 **CALCEOLARIA Hybrida Grandiflora, Fine Mixed Pouchflower,** ⊾ 1½ ft. Our seed is saved from the best European collection and will produce flowers of large size and of an endless variety of color.....300 seeds.. 25

CALENDULA—Pot Marigold ⊙ 1 ft.

A perpetual bloomer, the flowers are oriental in color and exhibit every shade of yellow from ivory to deepest orange. Makes good cut-flowers and the dried blossoms may be used to flavor soups and stews.

		Pkt
766	**Officinalis Grandiflora Flore Pleno Orange King** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color rich, dark orange.....½ oz 10c..	5
767	**Officinalis Sulphurea Flore Pleno, Sulphur Queen**	5
768	**Officinalis Meteor Flore Pleno** Striped....½ oz 10c..	5
769	**Pongei Flore Pleno** Double white.....	5
770	**All Colors Mixed**.....½ oz 10c..	5

California Poppy See Escholtzia.

CALLIOPSIS—Tickseed ⊙ 6 in. to 2 ft.

A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow; foliage dainty; useful combined with other flowers.

781	**Bicolor Nana, Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center. The edges of the leaflets are turned down.....	10
782	**Drummondi, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye..¼ oz 10c..	5
783	**Hybrida Superba** Forms dense bushes desirable for pots, groups and borders.....	10
784	**Radiata Tigrinia, Tiger Flower** 6 to 8 in. Flowers large reddish-brown, turning at the points golden-yellow.	10
785	**Dwarf Mixed**.....¼ oz 10c..	5
790	**Double Mixed**.....¼ oz 10c..	5
795	**All Sorts and Colors Mixed**.....lb. $1.20; 1 oz 15c..	5
800	**Vaughan's Special Mixture.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it and we know it will give entire satisfaction.....½ oz 30c..	10
802	**CALLIRHOE Involucrata, Poppy Marrow** 2ℓ Large bright crimson flowers, trailing habit, adapts itself to rock work..	10

CAMPANULA—Medium Canterbury Bells ⊙ 3¼ ft.

Campanulas remain one of the prettiest of old garden plants. Their bell-shaped flowers in their delicate coloring make them the admiration of all.

803	**White**..... 5	896	**Blue** 5
804	**Pink**..... 5	816	**Single Mixed** ⅛ oz. 10c 5
805	**Striped**		5
818	**Medium Double Mixed** ⅛ oz. 10c.....		5
820	**Medium Double and Single Mixed**.....		5

CAMPANULA—Canterbury Bell

CANDYTUFT—Giant Hyacinth Flowered

CARNATION—Vaughan's Special Mixture

CAMPANULA—Continued

		Pkt
821	**Calycanthema Mixed**	5
822	**White**	5
823	**Pink**	5
824	**Striped**	5
825	**Blue**	5
828	**Carpatica Hairbell** 2′ 9 in. Blue. Very pretty, low growing, free flowering	5
830	**Carpatica Alba** White	5
834	**Persicifolia Grandiflora Mixed**	10
835	**Pyramidalis** White or blue; each	10
836	**Vaughan's Special Mixture of Perennial Varieties** include all the above and many other desirable varieties not listed	25
838	**Speculum** ⊙ 10 in. Venus' Looking Glass, fine for edging beds	5
840	**CANARY BIRD VINE** ⊙ § 15 to 20 ft. Clean, handsome foliage, with an abundance of bright canary-yellow blossoms; good rambler and fine for stumps, rockeries, etc.; excellent window vine for winter. ½ oz 15c	5

CANDYTUFT ⊙

Candytuft will grow anywhere under all conditions and flower all summer. Good for cut-flowers and borders.

845	**Giant Hyacinth-Flowered White** 1 ft. The flower heads are of immense size, 6 in. long and 3 in. across, resembling a Dutch Hyacinth. 1oz 40c; ½ oz 25c	10
848	**Snowflake** 7 in. Extremely free-blooming kind. The plants form very neat, round bushes, covered with the finest pure white flowers. ¼ oz 20c	10
850	**Queen of Italy** 8 in. The plants form dwarf bushes which are covered with very large pink blooms. ½ oz 25c	10
852	**Umbellata Carminea** Carmine	5
854	**Umbellata Purpurea** Crimson	5
856	**Umbellata Lilacina** Lilac	5
860	**All Colors Mixed** lb. $1.00; ¼ lb. 35c; oz 15c; ½ oz 10c	5
862	**Gibraltarica** 2′ Lilac shading off to white	10
864	**Sempervirens** 2′ Pure white	10

CANNA ⌒ 2½ to 8 ft.

900	**Giant-Flowered Mixed** Few people know these tropical plants can be easily grown from seed and bloom the first summer if sown before April. Pierce the seed in one spot with a file and soak in luke-warm water for 24 hours before sowing. Named Cannas do not come true from seed, so we only offer the seed in mixture. 1 oz 35c; ½ oz 20c	10

For roots and started plants see plant pages.

CARNATIONS ⊙ ☉

The following will bloom from seed in 4 to 5 months:

910	**Chabaud Mixed** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion. 100 seeds	15

CARNATIONS—Continued

		Pkt
911	**American Hybrids** A valuable race of large-flowered Carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Colors varied and beautiful. 25 seeds	25
912	**McKinley** A brilliant scarlet variety of the Early-blooming French and Chabaud type	15
913	**Nero** Color is a rich, velvety blood-red	15
914	**Marie Chabaud** Pure canary yellow. 50 seeds	25
918	**Glowing Coal** Intense brilliant scarlet. 50 seeds	25
920	**Guillaud Riviera Market** This fine Carnation has been obtained by careful selection from the Margaret. It will bloom the first summer, and if taken up in the fall the plants will bloom all winter. 100 seeds	
930	**Giant Margaret Mixed** The flowers are very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. The plants grow upright requiring hardly any support, and their yield of flowers is wonderful. 100 seeds	25 15
931	**Giant Margaret White** 50 seeds	15
940	**Dwarf Margaret Mixed** A splendid strain for bedding purposes owing to its habit of growth. 100 seeds	10
950	**Margaret Double Mixed.** 956 **Margaret Pink**	
952	**Margaret White** 958 **Margaret Striped.**	
954	**Margaret Yellow** 960 **Margaret Red**	
	Each of the above. ⅛ oz 30c	5
975	**Vaughan's Special Carnation Mixture** This is a mixture of the best strains of the Giant Margaret, Malmaison and everblooming Chabaud Carnations. The plant will bloom the first summer and will produce many flowers equal to the best florists' Carnation. The plants may be lifted in September, potted and will bloom all winter in the house. 100 seeds	25

CARNATIONS ☉ 2′

The following varieties will bloom the second summer from seed. Plants should be protected during the winter.

980	**Extra Choice Mixed** Saved from a rich collection of named flowers and will produce fine varieties	10
985	**Vienna Dwarf Mixed.** Produces very double sweet scented flowers in the largest variety of colors and in the greatest profusion. ⅛ oz 20c	10
990	**Fine Double Mixed** Sweet scented, large flowers. ⅛ oz 15c	5
995	**Grenadin Red** For yielding a quantity of double red flowers there is no outdoor Carnation that can equal it	10
996	**Grenadin White**	10

Castor Beans See Ricinus.

Pkt.

998 **CATANANCHE Coerulea** 2ℓ Blue, Cupid's Dart..... 10
999 **Coerulea Flore Albo,** White..... 10

CELOSIA CRISTATA ⊙

Coxcomb Dwarf Varieties 8 in.

These plants are extremely valuable for formal bedding. The flowers appear in the shape of coxcombs, hence the name, out of a rosette of green or brown leaves.

1010 **Cristata Nana President Thiers** Crimson combs, dark leaves. Shown to its best advantage when combined with Golden Feverfew and Centaurea Candidissima 10
1012 **Fire King** Rich fiery orange scarlet..... 10
1014 **Empress** Blood red combs and brown foliage..... 10
1016 **Aurea** Golden yellow combs..... 10
1018 **Rosea** Pink combs..... 10
1920 **Dwarf Mixed** All the above and others.....⅛ oz. 30c 10

Tall Feathered Varieties 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage. Of easy culture.

1022 **Plumosa Aurea** Orange ostrich plume..... 5
1024 **Coccinea** Crimson ostrich plume..... 5
1025 **Mixed**.....¼ oz 15c.. 5
1027 **Pride of Castle Gould** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades..... 25
1030 **Plumosa Thompsoni Magnifica** A good strain of the Ostrich Plume Celosias.....¼ oz 25c.. 10
1035 **Cristata Tall Coxcomb Mixed**.....¼ oz 15c.. 5
1040 **CENTAUREA Americana Alba** ⊙ 2½ ft. Star Thistle. Grows to a large size in one season and the immense heads of double fluffy blooms are quite as showy in flower borders as Hollyhocks. Color almost pure white; ⅛ oz 35c.. 15

CENTAUREA CYANUS ⊙ Bachelor Button 2 ft.

Known as Blue Bottle, Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes with the English Scarlet Field Poppy.

1045 **Blue Emperor** Single blue.....1 oz 15c; ½ oz 10c.. 5
1050 **All Colors Mixed**.....1 oz 15c; ½ oz 10c.. 5
1052 **Double Blue** Same shade as the Blue Emperor. Plant is more vigorous and the flowers semi-double and have a remarkable lasting quality when cut..... 10
1053 **Double Lawson Pink** A very pretty shade, semi-double flowers which make good cut flowers during their long season of bloom..... 10
1060 **Double Mixed**.....1 oz 25c; ½ oz 15c.. 5
1062 **Victoria** Dwarf, 9 in. For pots and edging. Azure blue 10

Imperialis Giant Sweet Sultan 2½ ft.

Strong bushy plants, flowers fragrant, about twice the size of Centaurea Cyanus, ranging in colors from pure white through pink to purple.

1064 **White**..¼ oz 25c.. 10
1065 **Favorita** Brilliant Rose..... 10
1066 **Lilacina** Dark Lilac.... 10
1067 **Splendens** Purp. crims'n 10
1068 **Mixed**..... 5
1069 **Moschata Mixed** Sweet Sultan, white, red and blue. 5
1070 **Suaveolens** Yellow Sweet Sultan.1 oz 35c; ½ oz 20c.. 5
1075 **Vaughan's Special Mixture of Centaureas** Is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer.....1 oz 50c; ½ oz 30c 10
1078 **CENTAUREA Candidissima** 2ℓ ⌓ 10 in. Thick silvery white leaves, used for bedding purposes..... 10
1080 **CENTAUREA Gymnocarpa, Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding.... 5
1081 **CENTAUREA Pulcherrima** 2ℓ This new hardy perennial is among our best summer-blooming cut-flower plants. Blooming in July, the plants grow about 3 feet high and produce their lovely rose-colored flowers in great abundance..... 15
1082 **CENTROSEMA Grandiflora** ⊙ § ⌓ 10 ft. Pea-like flowers, purple and white..... 5
1084 **CHELONE Barbata Torreyi** 2ℓ 4 to 5 ft. Turtle Head. Excellent plant with long spikes of scarlet blossoms... 10
1085 **Hybrida Mixed**..... 10
1086 **Lyoni** 2 ft. Pretty, free flowering plants, preferring half shady moist situation. Flowers rosy purple in heads.... 10

CENTAUREA—Vaughan's Special Mixture

CHRYSANTHEMUM

Annual Varieties 2 ft.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties.

Pkt

1090 **Carinatum Eclipse** Yellow with scarlet ring and dark brown disk..... 5
1092 **Golden Feather** Foliage striking yellow; flower..... with a crimson ring near center..... 5
1094 **The Sultan** Crimson maroon..... 5
1095 **Silver Queen** 12 to 15 in. Flowers pure white with a zone of clear bright yellow overlaid with silver..... 10
1096 **Dunetti Album Plenum** Double white..... 5
1097 **Aureum Plenum** Double golden yellow..... 5
1100 **Coronarium Double Fine Mixed**.....½ oz 15c.. 5
1102 **Inodorum Plenissimum Bridal Robe**..10 in. These sturdy little plants throw out their finely cut foliage from the base and deck themselves with a mantle of extra double pure white flowers..... 10
1105 **Segetum Gloria** Morning Star, 18 in. Primrose with golden yellow center..... 5
1108 **Segetum Helios** Evening Star. Golden yellow..... 5
1110 **Vaughan's Special Mixture of Annual Chrysanthemums** Single and double sorts in finest mixture, including many new varieties not catalogued above.....½ oz 25c.. 10

The following are valuable for winter-flowering in pots:

1112 **Frutescens** ⌓ Paris daisy or Marguerite. Large white star-shaped flowers..... 10
1114 **Chinese and Japanese Varieties Mixed** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall.....100 seeds.. 15

Perennial Varieties 2ℓ 2 to 3 ft.

Perennial Chrysanthemums, especially the Shasta Daisies, have come to stay in our gardens. They are conspicuous in mixed beds or grown in front of shrubbery and as a cut flower are without equal. They are easily raised from seed and in our latitude are most successfully treated as a biennial.

1115 **Shasta Daisies, Alaska,** a glistening snow white Daisy.....⅛ oz 40c.. 10
1122 **Maximum** or Ox-Eyed Daisy. Pure white..¼ oz 15c.. 5

COBAEA—Scandens

CONVOLVULUS—Morning Glory

COSMOS

1125 **CINERARIA Vaughan's Columbian Mixture** ⌓ 18 in. Pkt.
This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 in. in circumference and of the most brilliant colors. A plant frequently seen in the city park conservatories in early spring 25

1126 **Hybrida Good Mixed** 5

1128 **Maritima Diamond** ⌓ For bedding. Not for flowers. 10

1130 **CLARKIA Elegans ⊙ Double and Single Mixed** 1 oz 25c.. 5

1132 **CLEMATIS** 2 § **Large Flowering Mixed** Beautiful climber with lovely flowers, blue, white and purple, etc. 15

1134 **Paniculata** Beautiful fall flowering vine with white, sweet-scented flowers 10
Clematis seed germinates very slowly.

1135 **CLEOME Pungens** ⊙ 5 ft. Spider Wort. A honey plant par excellence. Good for massing in front of shrubs; rosy lilac flowers .....1 oz 45c; ½ oz 25c.. 5

1136 **CLIANTHUS Dampieri** ⌓ 2 ft. Glory Pea of Australia. Trailing clusters of bright red flowers with a jet black spot 10

1140 **COBAEA Scandens—Cathedral Bells** ⊙ § 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac when full grown. It is a very prolific bloomer and vigorous in vines and flowers. It is very free from insect pests...¼ oz 15c.. 5

1142 **Flore Albo** White..... 10

1145 **Mixed** White and blue..... 10

1148 **COIX Lachrymae** ⊙ 2 to 4 ft. **Job's Tears.** The seed is frequently used as an old-fashioned remedy for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain.....1 lb 60c; ¼ lb 20c; 1 oz 5c..

1150 **COLEUS Vaughan's Mammoth Rainbow Mixture** ⌓ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 in. in length and 8 in. in width, heart shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich, comprising all the reds, metallic greens and yellows in shades of the most delicate to nearly black..... 15

1152 **Fine Mixed** 5

1154 **COLLINSIA Mixed** ⊙ 18 in. All species are brightly colored and excellent for growing in patches or clumps; easily grown in any garden soil.....1 oz 25c.. 5

Columbine See Aquilegia.

1156 **COMMELINA Sellowiana** ⌓ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butter-fly-like blossoms of dainty blue color.. 10

CONVOLVULUS MAJOR—Morning Glory ⊙ 15 ft. Pkt.
The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers. Succeeds under almost all circumstances.

1160 **MAJOR White**.1 oz 10c 5 | 1163 **Striped**..1 oz 10c.. 5
1162 **Crimson**...1 oz 10c 5 | 1164 **Blue**.....1 oz 10c.. 5
1165 **All Colors Mixed**.... 1 lb 60c; ¼ lb 20c; 1 oz 10c.. 5

1166 **Imported Collections** 8 varieties..... 20

1168 **Double Mixed** The flowers are double and semi-double and some are fringed, which give an appearance of a double flower.....1 oz 15c.. 5

1169 **Mauritanicus.** Blue flowers; for hanging baskets.... 5

1170 **Dwarf Morning Glory** 1 ft. Excellent for carpeting a bed, the flowers possessing all richness of color peculiar to the climbing morning glories.....1 oz 15c.. 5

1171 **Althaeoides Floribundus** 2 §. This new perennial climber is really a hardy Morning Glory. The leaves are whitish, flowers a rosy pink. The vines are covered all summer with a mass of pink bells..... 25
For other Morning Glories see Ipomoea.

1175 **COREOPSIS Lanceolata** 2 2 ½ ft. Golden Glory. A beautiful hardy sort blooming from seed the first year. Very large yellow flowers of great elegance..¼ oz 20c.. 10

1176 **Grandiflora Eldorado** 2 ft. Compact bushy plants, flowers brilliant orange yellow, 3 in. in diameter 10

Cornflower See Centaurea.

COSMOS Giant Flowered 6 ft.

Autumn blooming plants of exceedingly graceful habit. The single star-like flowers range in color from white through pink to crimson. The feathery spring green foliage well adapts it as a background for dwarfer flowers. If topped when half grown, the plants bloom much earlier, the check inducing immediate flowering.

1180 **White**Pond Lily.....½ oz 15c.. 5
1182 **Pink** Pink Butterfly.....½ oz 15c.. 5
1184 **Crimson**.....½ oz 15c.. 5

1185 **Klondyke** A gorgeous orange-yellow variety with very handsome foliage more coarsely laciniated than other sorts 10

1186 **Lady Lennox** The flowers are of extraordinary size, up to 6 in. in diameter; color shell-pink.....½ oz 25c.. 10

1188 **Marguerite** Fnged finest mixed 10

1189 **Striped** Flowers with large white centers, the petals being deeply striped with white..... 10

1190 **Giant Mixed**.....1 oz 25c; ½ oz 15c 5

Real Early While in northern Europe this summer we found a variety with giant flowers which began blooming in July and continued until frost, and we secured the largest part of the grower's stock. We can supply in the following colors:

1195 **White**..... 10
1196 **Pink**..... 10
1198 **Crimson**..... 10
1200 **Early Flowering All Colors Mixed**.....½ oz 30c.. 10

1202 **CUPHEA Platycentra** ⌓ Cigar Plant. 10 in. For pots and borders..... 20

1204 **Purpurea** ⊙ 1½ ft. Dark red..... 10

CYCLAMEN—Alpine Violet

CYPRESS VINE

DELPHINIUM—Larkspur

CYCLAMEN—Alpine Violet ⌓ 1 ft.

This beautiful pot plant, flowering from seed the first year is well known, but the public does not realize that it may be successfully raised from seed with a little care and patience.

Giant German Grown

1205 **Pure White** (Mont Blanc) 1206 **Dark Crimson**
1207 **Rosa von Marienthal,** Daybreak pink
1208 **Dark Rose** 1209 **White, with Carmine Eye**
Each of the above 10 seeds 15c; 100 seeds, 75c,
1210 **Giant Flowered Cyclamen,** extra choice mixed, **10 seeds, 15c; 20 seeds, 25c; 100 seeds, 65c.**

Giant Orchid Flowered

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

1211 **Pure White,** 1212 **Red,** 1213 **Pink**.. } **Per 10 Seeds, $0 15**
1214 **White with Carmine Eye,** 1215 **Lilac** } **Per 100 Seeds, 1 00**
1216 **Giant Orchid-Flowered Cyclamen,** in choicest mixture:
15 seeds.....**15c** **100 seeds**.....**90c**

Giant English Grown

1217 **Princess May.** Pale pink
1218 **Duke of Connaught.** Purplish crimson.
1219 **Mauve Queen.** Mauve. 1220 **Duke of Fife.** Dark rose.
1221 **Salmon King.** Very striking new color.
1222 **Rosy Morn.** Delicate rose color. Claret base.
1223 **Grandiflora Alba.** The largest giant white grown.
1224 **Excelsior.** White, with red base.
Each of the above 10 Seeds 20c, 100 seeds $1·50.

For bulbs of the above see the bulb pages in this catalog.

1225 **CYPERUS Alternifolius** ⌓ 1½ ft. **Umbrella Plant.** Pkt. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. 10

CYPRESS VINE ⊙ § 10 ft.

For training upon a light ornamental trellis the Cypress Vine can not be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

1226 **White**.....½ oz 15c.. 5
1227 **Crimson**.....½ oz 15c.. 5
1228 **Mixed**.....½ oz 10c.. 5
1229 **Ivy Leaved Scarlet** A rapid growing variety with deeply lobed, ivy-like leaves, and small fiery scarlet flowers. 5

DAHLIA ⊙ 2ℓ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong, and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

DAHLIA—Continued Pkt.

1230 **Double Good Mixed**.....¼ oz 30c.. 5
1231 **Double Best Mixed**..... 15
1232 **Double Cactus Flowered Mixed** With twisted and curled petals..... 15
1233 **Single Giant Perfection Mixed** This strain is a decided advance on ordinary single varieties. The plants are of strong robust habit, and produce in great abundance flowers of immense size, averaging 6 in. across, of the most bewildering variety of color.....¼ oz 25c.. 10
1234 **Exhibition Mixed** A very choice selection from large single flowers, many with broad-edged petals in various colors..... 10
1240 **Vaughans Special Mixture.** This mixture contains seeds from the best collections in Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts.....60 seeds .. 25

For roots and started plants of the above, see the plant pages.

DATURA—Angel's Trumpet ⊙ 3 ft.

Showy large branching plants bearing immense trumpet-shaped flowers.

1242 **Cornucopia** Horn of Plenty pkt. 10c, 1244 **Double White** 5
1245 **Golden Queen** pkt. 10c, 1260 **Double Fine Mixed** ¼ oz 15c 5

DELPHINIUM—Larkspur

Annual Varieties ⊙

Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring. Thin them later to stand 6 to 18 in. apart, according to variety.

1261 **Stock-Flowered Lustrous Carmine.** 1262 **Flesh Color.**
1263 **Lilac.** 1264 **White.** 1265 **Dark Blue.**
Each of the above.....**10c.**
1266 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors.....¼oz15c.. 5
1270 **Tall Rocket Mixed** 2½ ft. Throws up one single column of bloom.....¼ oz 10c.. 5
1275 **Dwarf Rocket Mixed** 1 ft.....¼ oz 10c.. 5
1278 **Emperor Mixed** Produces an abundance of long, slender flower spikes in the most delicate colors ¼ oz 10c .. 5

Perennial Varieties 2ℓ

The hardy varieties are of bewitching beauty in the perennial border or among shrubs. The brilliant flower spikes can be seen from quite a distance and are strikingly effective. If sown early many of the varieties will bloom the first year. They will bloom almost continually if faded flowers are removed.

1280 **Belladonna Hybrids** Contains all shades from the palest to the darkest blue, and the various intervening shades of sapphire, turquoise, indigo, etc., are rich and beautiful beyond description..... 25

DIANTHUS BARBATUS—Sweet William

DIANTHUS—Chinese and Japanese

DIANTHUS—Plumarius

DELPHINIUM—Continued

		Pkt.
1282	**Cashmerianum** 15 in. Spreading, many branched; flowers often 2 in. wide, deep purplish blue in color	10
1284	**Caucasicum** 1½ ft. Magnificent sky blue flowers	15
1285	**Chinese Album Grandiflorum** White. 2 ft. The stems have many lateral branches with large single flowers. Leaves deeply laciniated. ⅛ oz 15c	5
1286	**Chinese Azureum Grandiflorum** Blue. ⅛ oz 15c	5
1288	**Elatum Hybridum Single Fine Mixed** 3 ft. 1 oz 40c	5
1290	**Elatum Hybridum Double Mixed**	15
1292	**Formosum** 3 ft. Brilliant blue white center. ¼ oz 25c	10
1294	**Formosum Coelestinum Pillar of Beauty** Charming delicate blue	10
1295	**Formosum Giganteum** A giant form of this most beautiful hardy Larkspur	25
1296	**Nudicaule** 1 ft. Dwarf brilliant scarlet flowers	20
1298	**Sibiricum Hybridum** 1½ ft. Fine blue shades	10
1299	**Zalil Sulphur Yellow** 3 ft	15
1300	**Vaughan's Perennial Mixture** This mixture is very valuable for its great variety in shades of color, which range from yellow to pure white; from the palest and most chaste lavender up through every conceivable shade of blue to deep indigo; and for the variety of and form of their individual blooms	25

DIANTHUS

Barbatus—Sweet William ⊙ 2′ 2 ft.

A splendid old-fashioned plant, producing its large heads of beautifully colored sweet-scented flowers in great abundance. It is hardy, easily grown, and flowers the second year from seed.

1301	**DOUBLE White** (Albus Plenus)	5
1302	**Rose** (Rosea Plena)	5
1303	**Blood Red** (Atrosanguinea Plena)	5
1304	**Double Mixed** ¼ oz 20c	5
1305	**Double Giant-Flowered Mixed**	10
1306	**SINGLE—Carmine Beauty** A charming and distinct color, midway between Pink Beauty and Scarlet Beauty	15
1307	**Diadematus** One of the prettiest, flowers rose, spotted and sprinkled with white	10
1308	**Johnson's Giant** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive	15
1309	**Nigrescens** Flowers almost black	10
1310	**Salmon** A new and very pleasing shade	10
1311	**Sutton's Scarlet** A vivid scarlet color; very striking	15
1312	**Albus,** single white	5
1313	**Atrosanguineus,** single blood red	5
1314	**Roseus,** Pink Beauty, single pink	5
1315	**Single Mixed** ¼ oz 15c	5
1316	**Single Giant-Flowered Mixed**	10
1317	**Vaughan's Special Mixture** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this	25

DIANTHUS—Continued

		Pkt.
	Chinese and Heddewigi or Japanese Garden Pinks ⊙ 1 ft. A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the individual clusters stand out from the foliage very distinctly.	
1318	**Chinese Single Mixed** ¼ oz 10c	5
1319	**Chinese Double Mixed** ¼ oz 10c	5
1320	**Heddewigi Single Crimson Belle** Velvety dark red	5
1321	**Single Eastern Queen** Striped rose colored flowers	5
1322	**Single The Bride** White with purple center	5
1325	**Single Mixed** Great range of colors ¼ oz 10c	5
1326	**Double Diadem** Magnificent in color	5
1327	**Double Fireball** Brilliant scarlet, compact, floriferous	10
1328	**Double Mourning Cloak** Blackish crimson flowers	5
1329	**Double Snowball** Compact, fringed white flowers	10
1330	**Double Mixed** Exquisite shading ¼ oz 10c	5
1332	**Laciniatus Mirabilis** Single Wonder Pink. Flowers measure 3 to 4 in. in diameter	10
1334	**Laciniatus Mirabilis Flore Pleno**	10
1335	**Laciniatus Double Mixed** Flowers deeply laciniated	5
1338	**Imperialis Flore Pleno, Double Mixed** Strong bushy grower ¼ oz 10c	5
1340	**Vaughan's Special Mixture of Single Pinks** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson ¼ oz 15c	10
1345	**Vaughan's Special Mixture of Double Pinks** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed ¼ oz 15	10
1350	**Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly ¼ oz 15	10

Plumarius—Clove or Grass Pinks 2′ 10 in.

These very desirable sweet-scented, low growing, early blooming and free flowering hardy garden pinks are unequaled for the border of beds, automobile drives, and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun and in an open situation.

1352	**Single Mixed** Delicately fringed flowers ¼ oz 10c	5
1354	**Cyclops** Flowers large, round; colors exquisitely delicate; light rose, copper color, crimson and flesh predominating. A clove like odor adds to their attractiveness ⅛ oz 20c	10
1355	**Flore Pleno, Double Mixed** (Pheasant's Eye) ¼ oz 20c	10
1358	**Nanus Fl. Pl. Early Flowering Clove Pink** The compact bushes are perfectly hardy and produce their flowers fully two weeks earlier than the older types. Their freedom of bloom is marvelous. Plants can be lifted and potted when in full bloom without injury	15
1360	**Vaughan's Special Mixture of Clove Pinks** A charming mixture	15

ESCHOLTZIA—California Poppy

DIGITALIS—Foxglove ⊙ 2 3 to 5 ft.

Handsome ornamental hardy plants of stately growth. The seed, though small germinates readily and the plants succeed well even in poor soil if given a half shady location. The spikes are often 3 to 5 ft. long and thickly strung with scores of thimble shaped flowers. Pkt

1365 **Gloxiniaeflora Alba** White, very handsome, flowers much like a Gloxinia ... 10
1366 **Rosea** Rose ... 10
1367 **Purpurea** ... 10
1368 **Mixed** ... ⅛ oz 15c.. 5
1369 **Grandiflora** Bright yellow, distinct ... 5
1370 **Maculata Iveryana** Splendid spotted strain ... 5
1572 **Monstrosa Mixed** Long spikes surmounted by one enormous flower, very odd ... 10
1375 **Purpurea Mixed** Many colors ... ½ oz 15c.. 5
1380 **Vaughan's Special Mixture** Contains all the above and many others ... ¼ oz 35c..15

DIMORPHOTHECA—Aurantiaca ⊙ 1 ft.

1383 Golden Star of the Veldt. Rare and very showy annual from South Africa which has become a great favorite on account of its very easy culture and beautifully colored flowers. Its Marguerite-like blossoms, produced in great profusion, are 2½ to 3¾ in. in diameter. These are a unique glossy rich orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone ... 10
1384 **Aurantiaca Hybrida** They vary in color from the purest white to red, and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose, beautiful salmon shades, from tender salmon to deep salmony orange... 15

DOLICHOS—Hyacinth Bean ⊙ ⚷ 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

1385 **Princess Helen** (Daylight) Snow white flowers followed by silvery white seed pods ... 1 oz 15c.. 5
1390 **Purple Soudan** (Darkness) Dark vines with brilliant rose flowers, seed pods dark red ... 1 oz 15c.. 5
1395 **All Colors Mixed** ... ¼ lb. 40c; 2 oz 25c; 1 oz 15c.. 5
1398 **DRACAENA Indivisa** ⌓ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage ... 10
1402 **ECHEVERIA Mixed—Hen and Chickens** ⌓ 4 in. Used largely in cemeteries for carpet bedding. Seeds very tiny ... 100 seeds 25c; 25 seeds 10
1404 **ECHINACEA Hybrida** 2 4 ft. The flowers are variously shaped. The colors dark red, rose, carmine and orange 15
Echinocystis Lobata See Wild Cucumber.
1406 **ECHINOPS Ritro—Globe Thistle** 2 4 ft. Odd globe shaped, steel-blue flowers, fine among shrubbery and for cut-flowers. Good bee plant ... 10
1408 **EDELWEISS** 2 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any not too rich soil with full exposure to the sun ... 10
1410 **ERIGERON Aurantiacus Hybridus** 2 1 ft. Large flowering hybrids of the orange daisy in great variety ... 10
1412 **ERYNGIUM Amethystinum** 2 2 to 3 ft. Handsome ornamental plants with finely cut, spiny foliage and beautiful thistle-like heads of amethystine blue; fine for winter bouquets ... 10
1414 **ERYTHRINA Crista Galli** ⌓ 4 ft. The Coral Tree, a fine greenhouse shrub, with scarlet flowers ... 10

ESCHOLTZIA—California Poppy ⊙ 1 ft.

The state flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1416 **Californica** The original yellow. ¼ lb 35c; 1 oz 15c.. 5
1418 **Carmine King** Beautiful carmine rose color, both on the interior and exterior of the flower ... ½ oz 30c.. 10
1420 **Compacta Erecta Dainty Queen** The color is a pale coral pink, slightly deeper towards the edges, with a ground work of delicate cream ... 10
1422 **Golden West** Flowers bright yellow and orange, penciled and blotched ... ½ oz 25c.. 5
1424 **Mandarin** Deep orange ... ½ oz 15c.. 5
1425 **All Colors Mixed** Many shades.. ¼ lb 35c; 1 oz 15c.. 5
1426 **Double and Semi-Double Mixed** ... 10
1428 **Maritima** Canary yellow with orange center, leaves grayish and finely cut ... 5
1430 **Vaughan's Special Mixture** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence ... 1 oz 40c; ½ oz 25c.. 10
1432 **EUCALYPTUS Globulus—Blue Gum** ⌓ A native of Australia, introduced successfully into California ... 10
1435 **EUPATORIUM Fraseri** 1½ ft. A very pretty dwarf variety producing clusters of snow-white flowers; fine for cutting and bouquets ... 10
1436 **EUPHORBIA Heterophylla—Mexican Fire Plant** ⊙ 2 to 3 ft. Annual Poinsettia resembling in habit and color the beautiful hothouse poinsettia. The plants are of branching bush-like form, with smooth, glossy green leaves. About midsummer the center top leaves of each branch turn a vivid orange scarlet ... ¼ oz 15c.. 10
1438 **Variegata—Snow on the Mountain or Mountain Spurge** 2 ft. Remarkably distinct plant; very showy with its veined and edged white and green foliage. Planted to advantage in clumps in shrubbery and the branches when cut may be used in mixed bouquets ... 5
1440 **EVERLASTINGS Mixed** ⊙ 1 to 2 ft ... ¼ oz 15c.. 10

For named sorts of Everlastings see Acroclinium, Ammobium, Gomphrena, Helichrysum, Rhodanthe and Xeranthemum.

Feverfew See Matricaria.
Forget-me-not See Myosotis.
Four O'clock See Mirabilis.
Foxglove See Digitalis.

1446 **FUCHSIA Hybrida, Double and Single Mixed** ⌓ 1 to 4 ft. Ladies Eardrop. Well known greenhouse plant, will bloom from seed the first year if planted early ... 20

GAILLARDIA (Annual)

GAILLARDIA (Perennial)

GERANIUM

GAILLARDIA—Blanket Flower

Annual Varieties ⊙ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

Pkt

1448 **Picta Single Mixed**.....¼ oz 15c.. 5
1450 **Lorenziana Double Perfection Mixed**.....¼ oz 20c.. 5

Perennial Varieties 2ℓ 2 ft.

These are undoubtedly among the choicest of hardy perennials; the flowers are large, very numerous, excellent for cutting and of the most brilliant shades of orange, crimson, scarlet and vermilion, and very often a combination of all these colors in one flower. Do best if treated as biennials.

1452 **Grandiflora Mixed**.....¼ oz 20c.. 10
1455 **Kelway's Hybrids** This is to our knowledge the choicest strain in Gaillardias. The flowers are of enormous size, and the colors most varied. Our seed is from Kelway direct..... 25
1456 **Maxima Kermesina Splendens** Rich crimson center with a border of canary yellow..... 10
1457 **Coppery Red**..... 10
1458 **Sulphurea Oculata** The color is a pale sulphur yellow with a bright maroon eye, giving the flowers a very distinct appearance..... 10
1462 **GAURA Lindheimeri** ⊙ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. This is largely used throughout Europe for interspersing in beds of Begonias, Geraniums, etc., giving an air of grace to what would otherwise be stiff. 5
1464 **GENTIANA Acaulis** 2ℓ 4 in. Gentian, intense blue flowers with five yellow marks..... 10

GERANIUM ⌓ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new and desirable.

1465 **Zonale Varieties** Saved from the choicest collections.. 10
1466 **Large Flowering, Newest Varieties Mixed** choicest strains.....50 seeds.. 15
1467 **Apple-scented** Leaves fragrant.....25 seeds.. 10
1468 **Lady Washington** (Odier) Large flowering, beautifully blotched.....25 seeds.. 20
1469 **GEUM Coccineum Plenum** 2ℓ 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Elegant for bouquets. 10
1470 **Heldreichi** Beautiful orange flowers produced very freely..... 10
1471 **GILIA Mixed** ⊙ 1 ft. Free blooming, fine for beds, rockeries or lawns.....1 oz 20c 5
Gilliflower See Stocks.

Pkt

1472 **GLAUCIUM Luteum—Horn Poppy** ⊙ 3 ft. Yellow flowers, gray foliage..... 5
Globe Amaranth See Gomphrena.
1475 **Gloxinia Hybrida Grandiflora Vaughan's International Mixture** ⌓ 12in. Magnificent house blooming plants, with handsome bell-shaped flowers the diversity of the richest colors. Our ternational Mixture contains the finest European strains..... 25

1476 **Fine Mixture**..... 10

GODETIA ⊙ 1½ ft.

Remarkable for their widely opened flowers of satiny texture and lovely, delicate shades of color; fine for shady places.

1477 **Duchess of Albany,** pure white..... 5
1478 **Gloriosa,** deep blood red..... 5
1479 **Rosamunde,** fiery rose..... 5
1480 **Lady Satin Rose,** bright carmine..... 5
1481 **The Bride,** white and red..... 5
1482 **Many Sorts and Colors Mixed**.....¼ oz 10c.. 5
1483 **Dwarf Sorts Mixed** Neat globular bushes about 10 inches in height.....¼ oz 15c.. 5
Golden Feather, see Pyrethrum.
1484 **GOLDEN ROD** 2ℓ 2 ft. American National Flower..... 5
1485 **GOMPHRENA Globosa Mixed** ⊙ 2 ft. Globe Amaranth. Clover-like heads everlasting.....¼ oz 10c.. 5

GOURDS ⊙ ♀ 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

1486 **Apple-shaped** Beautifully striped..... 5
1487 **Bottle** The original Thermos bottle. Used by the pilgrims in the orient..... 5
1488 **Calabash or Pipe Gourd** Odd-shaped fruit which is used to an advantage in making pipes. A native of South Africa..... 15
1489 **Dipper** Makes an excellent dipper..... 5
1490 **Dishcloth or Towel** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... 5
1492 **Hercules Club** Fruit grows 3 to 4 ft. long..... 5
1493 **Horned African Cucumber** Fruits very odd..... 5

GOURDS—Mixed

HELIANTHUS—Cucumerifolius

HELIOTROPE—Mammoth Flowered

GOURDS—Continued

Pkt

1495 **Japanese Nest Egg** Fruit looks exactly like hens' eggs and may be used as nest eggs 5

1496 **Orange** The well known Mock Orange 5

1498 **Ornamental Pomegranate** or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens 5

1500 **Pear Shaped** Striped yellow and green 5

1502 **Sugar Trough** Thick shells very durable 5

1504 **Spoon** Small ball shaped fruit with slender necks, richly colored, deep orange, whitish and dark olive green. By slicing off a part of the side of the bowl a satisfactory spoon may be made 5

1505 **Turk's Turban** Odd brightly colored fruit 5

1506 **Small Fruited Varieties Mixed** 1 oz 25c; ½ oz 15c .. 5

1510 **All Varieties Mixed** ..... 1 oz 25c; ½ oz 15c .. 5

1512 **Imported Collection** 12 Varieties 30

1514 **Imported Collection** 6 Varieties 20

1515 **GRASSES Ornamental Mixed** ⊙ 2 to 5 ft. These are most useful for winter bouquets; enormous quantities of them are annually grown in Germany and exported to the United States, where they are made up into bouquets with Everlasting flowers. They are easily grown in any soil 10

1520 **GREVILLEA Robusta—Silk Oak** ⌒ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long drooping silky foliage it reminds one of a palm or fern. Makes a fine plant for the center of fern dishes 10

GYPSOPHILA

1522 **Elegans Grandiflora Alba—Angel's Breath** ⊙ 2 ft. This is an improved, large-flowering, pure white form of the annual Angel's Breath, of free, easy growth. Several sowings should be made during the season to keep up a supply. Combined with sweet peas they make pretty bouquets ..... ½ oz 10c .. 5

1524 **Elegans Rosea** Soft Pink ..... ½ oz 10c .. 5

1525 **Muralis** 6 in. Dwarf pink good for edging 5

1530 **Paniculata** 2ℓ 2 ft. Baby's Breath. White flowers, smaller than the annual varieties, producing a veil-like mist over the plant 5

1531 **Paniculata flore Pleno** 2ℓ The flowers are pure white and are very dainty and graceful 25

1532 **HELENIUM Riverton Beauty** 2ℓ 3 ft. Lemon yellow with black zone. Excellent for planting in borders. 10

1533 **Riverton Gem** 3 ft. Of strong growth. Covered from the middle of August to the end of October with brilliant flowers, which, on opening, are old gold suffused with terra cotta, changing as they mature to a Wall Flower red 10

HELIANTHUS (Sunflower) ⊙

Pkt

The state flower of Kansas. Remarkable for its stately growth and decorative effect in the garden. The old original Mammoth Russian variety now has a numerous company showing various traits. Some are dwarf, some double, some single and the leaves are gray and green. Excellent for cutting. The flowers may be bunched in great bowls for bold porch decoration. Should be planted with discrimination in every garden.

1534 **Argyrophyllus** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles ..... ½ oz 15c .. 5

1535 **Californicus Fl. Pl.** 5 ft. Double dark yellow 1 oz 10c .. 5

1536 **Double Chrysanthemum Flowered** 6 ft. Golden yellow flowers ..... 1 oz 15c .. 5

1537 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color ..... 1 oz 10c .. 5

1538 **Double Primrose Queen** These grow 5 to 6 ft. in a season, and large numbers of medium-sized pale sulphur yellow flowers are produced on short straight stems 10

1539 **Nanus Flore Pleno** 2½ ft. Double dwarf, beautiful for massing in beds ..... 1 oz 20c ..

1540 **Russian Mammoth** Single, of gigantic dimensions For larger amounts see Farm seed pages ..... 1 oz 5c ..

1541 **Cucumerifolius Mixed or Cut and Come Again** Quite a distinct variety. Wonderfully useful for garden display, and especially for cutting. Flower with lavish profusion 10

1545 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** of all the single and double sunflowers ..... 1 oz 25c .. 10

1550 **HELICHRYSUM Monstrosum Flore Pleno Mixed** ⊙ 2½ ft. Everlasting Strawflower. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place .... ½ oz 20c .. 5

1555 **HELIOTROPE Mammoth Mixed** ⌒ 2 ft. Deliciously fragrant flowers of rich purple blue. The flowers and leaves have a mossy effect. Blooms from seed the first summer if sown early in the spring. Excellent for cutting and splendid for bedding 10

1556 **Madam Mathilde Cremieux** Large clusters of reddish lilac flowers, dwarf bush 15

1560 **Fine Mixed** 5

1562 **HESPERIS Matronalis Mixed** ⊙ 2 ft. Sweet Rocket. Fragrant purple and white flowers ..... ½ oz 10 .. 5

1565 **HEUCHERA Sanguinea** 2ℓ 1 ft. Slender wiry stems with innumerable tiny crimson blossoms 10

1570 **HIBISCUS Crimson Eye** 2ℓ 4 ft. These immense flowers of pure white, with a large crimson eye, often measure 7 in. in diameter, and a plant will often have as many as fifty of them. It blooms from seed the first year 5

1575 **Golden Bowl** Deep cream with a velvety maroon center 10

HOLLYHOCK—Vaughan's Prize Mixture

HUMULUS JAPONICUS—Japanese Hop

MORNING GLORY—Vaughan's Japanese

HOLLYHOCK

Annual Varieties ⊙ 2ℓ 5 ft.

Perennial plants of stately growth which will flower from seed the first year. Makes a charming hedge or back ground. Hollyhoek rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can he done towards preventing it and reducing the damage by spraying the plants with Bordeaux mixture. Spraying should commence as soon as the leaves show above the ground, and should be continued until the flowering season, at intervals of two weeks.

Pkt

1880 **Allegheny** Semi-double flowers with frilled edges ¼ oz 25e 10

1882 **Everblooming Single Mixed** Large single flowers exhibiting every shade known in Hollyhocks.. ½ oz 25c.. 5

1885 **Everblooming Double Mixed** Double and semi-double 10

Perennial Varieties ⊙ 2ℓ

Are at their best if treated as biennials.

1886 **DOUBLE White**..... 1894 **Crimson**.....
1888 **Yellow**..... 1895 **Blood Red**.....
1890 **Salmon**..... 1896 **Black**.....
1892 **Pink**..... 1897 **White with rose base**..
1893 **Deep Rose**..... 1898 **White with purple base**
Each of the above.....⅛ oz. 30c.. 10

1899 **Good Mixed**.....¼ oz. 20c.. 5

1900 VAUGHAN SPECIAL **Vaughan's Prize Mixture.** The finest shades and perfectly double flowers..... 10

1901 **SINGLE White**..... 1903 **Pink**.....
1902 **Red**..... 1904 **Yellow**.....Each 10

1905 **Single Mixed**.....½ oz. 20c 5

1910 **HUMULUS Japonicus—Japanese Hop** ⊙ ♀ 20 ft. One of the most rapid growing ornamental climbers, green-leaved.....¼ oz., 10c.. 5

1915 **Japonicus Fol. Var.** Variegated Japanese Hop. There is no hardier climbing vine than the Japanese Hop and for constant resistance to drouth or insects it has no equal. This sort possesses all the good qualities of its parent, and in addition has beautifully variegated foliage splashed and streaked with white...¼ oz., 10c.. 5

1916 **HUNNEMANNIA Fumariaefolia—Bush Escholtzia** ⊙ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks.....¼ oz 20c.. 5

Hyacinth Bean See Dolichos.

1918 **ICE PLANT** ⊙ 6 in. Suitable for rock work, hanging baskets, etc. Foliage thick, frosted and wax-like..... 5

1920 **IMPATIENS Holstii Hybrids—Zanzibar Balsam** ⌓ ⊙ 1½ ft. One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming. They range in color from pink through the red shades to purplish violet..... 15

1922 **Sultani** Rosy flowers, glossy green foliage..... 10

1925 **INCARVILLEA Grandiflora** 2ℓ 2 ft. Likes a sunny situation, produces spikes of elegant Gloxinia-like flowers. Finely cut foliage..... Pkt 20

1928 **INULA Glandulosa Grandiflora** 2ℓ 2½ ft. Peculiar yellow flowers composed of narrow wavy petals..... 10

1930 **IONOPSIDIUM Acaule** ⊙ 3 in. A charming little plant for pot culture. Seeds sprinkled in a pot will bloom in a month..... 5

IPOMOEA—Moonvine ⊙ § 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds, of remarkable shape. The flowers in their wide range of delicate coloring, are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1932 **Bona Nox—Evening Glory** Violet flowers, large and fragrant.....1 oz 25c.. 5

1934 **Coccinea—Star Ipomoea** Small scarlet flowers in great profusion.....1 oz 20c.. 5

1935 **Mexicana Grandiflora Alba—White Moon Flower** Covered with large white flowers every evening and cloudy day. Seeds should be started inside..½ oz 25e.. 10

1936 **Mexicana Grandiflora, Giant Pink** Soft lilac pink flowers.....½ oz 30c.. 10

1938 **Imperialis—Japanese Morning Glory, Fine Mixed** .....1 lb $1.00; ¼ lb 35c; 2 oz 25e; 1 oz 15c; ½ oz 10e.. 5

1940 **Vaughan's Special Mixture of Japanese Morning Glories** The variety of color is infinite running from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, marbled, mottled, striped and bordered in wonderful fashion. The leaves are also very handsome; some are ivy-like, others are heart-shaped, some are rich green, while others are streaked and marbled with white and silver, or yellow; others with choicest flowers, have rich golden leaves. 1 lb $3.00; ¼ lb $1.00; 1 oz 30c; ½ oz 20c. VAUGHAN SPECIAL 10

1942 **Learii** Satiny blue with crimson bars. A good greenhouse climber.....¼ oz 25c.. 10

1944 **Rochester** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Foliage extremely vigorous.....½ oz 30e.. 10

1945 **Rubro-Coerulea, Heavenly Blue** Sky blue flowers in great abundance.....½ oz 35e.. 10

1946 **Setosa or Brazilian Morning Glory** Rosy-pink flowers. It presents a remarkable appearance, branching in all directions and intertwining so as to make it impenetrable to the sun's rays..... 1 oz 25c.. 5

For other Morning Glories see Convolvulus

KOCHIA—Burning Bush

LOBELIA—Bedding Queen

LUPINUS—Hybridus Roseus

Pkt

1948 **IRIS Kaempferi** 2ℓ 2½ ft. The beautiful Japanese Iris in splendid mixture..... 10

For immediate results get roots of Japanese Iris, listed on plant pages.

Job's Tears See Coix Lachrymae.

Kenilworth Ivy See Linaria.

Kudzu Vine See Pueraria.

1950 **KOCHIA Tricophylla** ⊙ 2½ ft. Summer Cypress or Burning Bush. Forms dense bushes of cypress like appearance During the summer they remain light green and in early fall they change to carmine and blood-red.... 5

1952 **LANTANA Hybrida Mixed** ⌓ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow May be grown in pots or set out in summer..½ oz. 15c. 5

Larkspur See Delphinium.

LATHYRUS—LATIFOLIUS 2ℓ 8 ft.

Everlasting or Hardy Sweet Peas

They have not the fragrance of the Sweet Peas, but bloom through a long season, are hardy and will live for years.

1954 **Latifolius** Purplish red.....½ oz 15c.. 5
1956 **Albus** White.....½ oz 25c.. 10
1958 **Pink Beauty** Bright rosy-pink.....½ oz 15c.. 5
1960 **Mixed**.....½ oz 15c.. 5

Levkojen See Stocks.

1965 **LINARIA Cymbalaria—Kenilworth Ivy** 2ℓ Flowers lavender and purple. A charming, small, hardy perennial trailing plant suitable for baskets, vases, pots and rock work..... 5

1970 **LINUM Grandiflorum Rubrum—Crimson Flax** ⊙ 2 ft. Fine foliage, delicate stems with brilliant scarlet flowers of long duration of bloom.....1 oz 15c.. 5
1972 **Flavum** 2ℓ 9 in. Yellow Flax..... 10
1973 **Perenne Mixed** 1½ ft. White and blue. The flowers are produced on long wiry branches at the tips and with such airy grace they appear to be floating in the air..... 5

LOBELIA Erinus ⊙

These are charming little plants covered with numerous small blossoms all summer. They flower from seed the first year. The dwarfer varieties are used to an advantage in edging beds, and in pots, the trailing ones for hanging baskets and massing. The blossoms in all sorts are particularly bright in appearance.

1975 **Erinus Alba** 1 ft. Pure white, tall.....⅛ oz 10c.. 5
1976 **Gracilis** Light blue flowers, light green foliage trailing.....⅛ oz 10c.. 5
1978 **Hamburgia** Large flowering dark blue, for hanging baskets..... 10
1980 **Speciosa** True, dark blue, dark foliage; good for hanging baskets..... 5
1985 **Compacta Crystal Palace** 6 in. Deepest blue, dark foliage..... 10
1990 **Compacta Emperor William** Clear sky blue with green foliage..... 5

LOBELIA—Continued

Pkt

1992 **Pumila Rosea** Dwarf pink..... 5
1994 **Pumila Splendens Bedding Queen** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye..... 10
1995 **Mixed Colors**.....⅛ oz 15c.. 5
1998 **Cardinalis—Cardinal Flower** 2ℓ 4 ft. A native perennial, forming long spikes thickly set with bright crimson flowers..... 5
2002 **LOPHOSPERMUM Scandens** ⊙ § 10 feet. Showy, rosy, purple Foxglove-like flowers..... 10

Love-in-the-mist See Nigella.

LUPINUS

2005 **Tall Annual Varieties Mixed** ⊙ 2 ft. Ornamental, free flowering, easily grown, with long graceful spikes of rich and variously colored pea-shaped flowers; valuable for mixed flower borders and beds.....1 oz 15c. 5
2006 **Dwarf Annual Varieties Mixed** 1 ft.....1 oz 15c.. 5
2007 **Hybridus Roseus** 2 ft. A charming rose pink flower.....½ oz 20c.. 5
2008 **Hybridus Coeruleus,** blue..... 5
2010 **Polyphyllus Mixed** 2ℓ 4 ft. Showy perennials, growing stout and erect, and producing long racemes of pea-like flowers in great variety of colors..... 5
2015 **LYCHNIS Chalcedonica** 2ℓ 2 ft. Burning Star. Flowers which are of the most fiery red imaginable, appear in clusters, each individual blossom forming a perfect maltese cross. Will bloom from seed the first year. 5
2016 **Haageana** 1 ft. Large flowered brilliant deep scarlet. 10
2018 **Haageana Hybrida** Unusual colors, white, rose, vermillion, brilliant orange, scarlet and crimson..... 5
2020 **LYTHRUM Roseum Superbum** 2ℓ 3 ft. A native perennial, good for massing, flowers rosy-lilac produced on long slender spikes..... 10

MARIGOLD—Tagetes ⊙

The Marigolds are old favorite, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn. The tall varieties have uniformly large yellow or orange colored flowers, and are well adapted for large beds or mixed borders. The dwarf varieties make a fine border for the taller sorts, and both are effective when planted in groups or in the garden borders.

Tall Varieties 5 ft.

2022 **Eldorado** Extremely large and imbricated double flowers in yellow shades.....¼ oz 10c.. 5
2024 **Lemon Queen**..... 5
2025 **Orange Queen**..... 5
2026 **Tall African Mixed** Large double flowers..½ oz 15c.. 5
2028 **Tall French Mixed** Large bushes covered with a multitude of small double flowers.....½ oz 15c.. 5

MIGNONETTE—Giant Machet

MARIGOLD—Legion of Honor

MARIGOLD—Double French Mixed

MARIGOLD—Continued

Pkt.

2029 **Imported Collection Tall African, 6 Colors**..... 20

2030 **Vaughan's Special Mixture of Tall Marigolds** Includes the best colors and is made up from separate sorts. Give this a place in your garden if you wish flowers when all others have failed.....¼ oz 20c.. 10

Dwarf Sorts 10 in.

2032 **Aurora** Double, clear soft yellowish-pink, very distinct and peculiar, new color..... 5

2034 **Electric Light** Double sulphur-yellow, brown-red stripes and spots.....½ oz 15c.. 5

2035 **Gold Striped** Double velvety maroon, striped gold... 5

2036 **Legion of Honor** Single, flowers rich golden yellow, marked with velvety brown, best for edging..½ oz 15c.. 5

2038 **Silver King** Single, light sulphur-yellow with brown spots..... 5

2040 **Dwarf French Double Mixed** Low bushes covered with small flowers.....1 oz 25c; ½ oz 15c.. 5

2042 **Dwarf African Mixed** (Pride of the Garden) 15 in. Immense double flowers golden yellow, compact dwarf habit, forming dense bushes.....½ oz 15c.. 5

2044 **Imported Collection Dwarf French** 6 varieties..... 20

2045 **Vaughan's Special Mixture of Dwarf Marigolds** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for this mixture.....¼ oz 20c.. 10

Pot Marigold See Calendula.

Marvel of Peru See Mirabilis.

MATRICARIA

Pkt

2047 **Alba Plenissima** 2ℓ ⊙ 3 ft. Feverfew. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climates, but in our latitude are treated best as biennials or annuals... 10

2048 **Eximia Golden Ball** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers.. 10

2050 **MATTHIOLA Bicornis** ⊙ 15 in. The Evening Scented Stock has no beauty to recommend it, the flowers being dull purplish-lilac, but it is well worth growing for the charming fragrance which it emits during the evening. 5

2052 **MAURANDIA Mixed** ⊙ § 10 ft. Abundant bloomer and very desirable for greenhouse and garden. Colors range through white, rose, blue and purple..... 10

2054 **MELOTHRIA Punctata** ⊙ § 10 ft. Gooseberry shaped fruit..... 5

MIGNONETTE—Reseda ⊙ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

Pkt.

2055 **Bismarck** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkley, while its odor is strong and most delicious.....⅛ oz 15c.. 10

2056 **Gabriele** Very sweet; spikes very thick; one of the best for out of doors.....¼ oz 15c.. 5

2058 **Goliath** Fine pyramidal bushes, foliage rich green, contrasting strikingly with the bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter.....⅛ oz 15c.. 10

2060 **Grandiflora Large-Flowered**....¼ lb 25c; 1 oz 10c.. 5

2062 **Machet** It is the best Mignonette for all purposes either outside or inside. It is an ever bloomer, the flowers lasting until late in the fall. Our seed is grown with the most scrupulous care and it gives entire satisfaction.....¼ oz 25c.. 10

2064 **New York Market** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower..250 seeds.. 25

2066 **Pyramidal Large-Flowering** Tall growing variety splendid for cutting.....⅛ oz 15c.. 5

2070 **Mixed** Many shades and types..1 oz 15c;.½ oz 10c.. 5

2072 **MIMOSA Pudica—Sensitive Plant** ⊙ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken.....¼ oz 15c.. 5

2274 **MIMULUS Tigrinus, Single Mixed** ⊙ 10 in. Queen's Prize. Monkey Flower. Dwarf bushy plants, with large gloxiniaeflora-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped..⅛ oz 25c.. 5

2275 **Tigrinus Fl. Pl.** Double Monkey Flower mixed..... 10

2276 **Moschatus—Musk Plant** Musk scented leaves, tiny yellow flowers..... 5

2278 **MINA Lobata** ⊙ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded.....¼ oz 30c.. 10

2279 **Sanguinea** 20 ft. The leaves resemble oak leaves, and the flowers are borne in large clusters, blood-red with a yellow throat.....½ oz 15c..

Don't fail to include in your order the New Canna Firebird.

MYOSOTIS—Forget-me-not

NIGELLA—Miss Jekyll

MIRABILIS—Four O'Clocks

MIRABILIS—Marvel of Peru or Four O'Clocks ⊙ 2 ft.

This is another good old-fashioned flower, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

		Pkt
2280	**Mixed all Sorts and Colors**.....¼ lb 20c; 1 oz 10c..	5
2282	**Variegated Leaved Mixed**.....1 oz 15c..	5
2284	**Dwarf Mixed** 12 in.....1 oz 15c..	5
2285	**Sweet-Scented** (Longiflora alba) Flowers white and very fragrant.....1 oz 15c..	5

Monkey Flower See Mimulus.

Morning Glory See Convolvulus and Ipomoea.

Mourning Bride See Scabiosa.

2286 **MUSA Ensete** ⌓ 6 ft. Abyssinian Banana, splendid tropical plant, may be set out doors in summer. 10 seeds 20

Musk Plant See Mimulus.

MYOSOTIS—Forget-me-not ⊙ ½ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Responds to good treatment and flourishes in shady, moist situations.

2288 **Alpestris Blue** Trailing habit.....⅛ oz 15c.. 5

2290 **Alba** White.....⅛ oz 15c.. 5

2292 **Rosea** Pink.....⅛ oz 15c.. 5

2294 **Eliza Fonrobert** Flowers large, sky blue, with clearly defined white eye.....⅛ oz 20c.. 5

2295 **Victoria** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging..... 10

2296 **Mixed**.....⅛ oz 15c.. 5

2298 **Ruth Fischer** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage..... 25

2299 **Star of Love** Distinct variety with large, beautiful blue flowers..... 25

2300 **Palustris** 2ℓ The true Swamp Forget-me-not..... 10

2302 **Semperflorens** A charming dwarf blue Forget-me-not, continuing in bloom from early spring until autumn. 10

2304 **Dissitiflora** One of the best of all the Forget-me-nots. It is of remarkably compact habit and a profuse bloomer, having an appearance of a sheet of blue when planted in masses..... 10

2305 **Vaughan's Early and Late Flowering** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year..... (VAUGHAN'S SPECIAL) 10

2415 **NEMOPHILA Mixed—Grove Flower.** ⊙ 6 in. Cup shaped flowers of many bright colors, the blue shades being particularly charming. Does well in moist, half shady situations.....½ oz 15c.. Pkt 5

NICOTIANA ⊙ 2 ft. Sweet Scented Tobacco Plant.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom but with a longer tube. The flowers open towards evening and emit a powerful perfume.

2420 **Affinis** Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter ¼ oz. 15c 5

2425 **Affinis Hybrida** Splendid hybrids in blue, red and rose, etc. shades.....⅛ oz. 15c 5

2426 **Affinis Wine Red**..... 10

2427 **Sanderae.** Carmine red..... 5

2428 **Sanderae Hybrids.** All shades..... 5

2430 **Sylvestris** 4 ft. Large white flowers, plant for ornamental purposes.....¼ oz 15c.. 5

2432 **NIGELLA Mixed—Love in the Mist** ⊙ 1½ ft. A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil, blue and white mixed.....1 oz 15c.. 5

2434 **Miss Jekyll** Gives an abundance of long stemmed flowers of the clearest cornflower blue, contrasting most charmingly with the fine fern-like foliage....½ oz 25c.. 10

2436 **NOLANA Mixed** ⊙ Prettytrailing plant, useful for edging or rock work.....¼ oz 10c.. 5

2450 **OENOTHERA Mixed** ⊙ ½ to 2 ft. Evening Primrose. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume 5

2455 **OXALIS Rosea Mixed** ⊙ A most excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose, delicate pink and white..... 10

2456 **Tropaeoloides** Suitable for rock work, rustic baskets etc., largely used in parks. Flowers deep yellow, leaves brown.....⅛ oz 15c.. 5

Vines for Immediate Effect from Seed.

Morning Glory, Moon Flower, Nasturtium, Cypress Vine, Japanese Hop, Balloon Vine, Allegheny Vine, Canary Bird Vine, Gourds, Balsam Apple, Cobaea, Dolichos, Scarlet Runner, Mina Lobata, Wild Cucumber, Passion Flower.

NASTURTIUMS

DWARF VARIETIES ⊙ 1 ft.

There are few flowers that can compare with Nasturtiums in richness and variety of color, freedom of bloom, ease of culture and general usefulness. They are suitable for bedding and edging, grow quickly, thrive in the poorest soil and furnish the greatest abundance of long lasting, sweet-scented cut flowers.

	Green and Dark Leaved Varieties	Pkt.
2306	**Beauty** Scarlet splashed canary.....1 oz 10c..	5
2308	**Bronze** Burnt bronze color dark leaved...1 oz 10c..	5
2310	**Chameleon** Is unique in bearing flowers of quite distinct coloring on one and the same plant. 1 oz 10c..	5
2312	**Empress of India** Very dark leaves, crimson flowers.	5
2314	**Golden King** Pure golden yellow.....1 oz 10c..	5
2315	**King of Tom Thumbs** Intense deep scarlet flowers, dark foliage.....1 oz 10c..	5
2316	**King Theodore** Velvety red flowers, dark foliage .....1 oz 10c..	5
2318	**Lady Bird** Orange, bright scarlet striped. 1 oz 10c..	5
2320	**Pearl** Creamy white.....1 oz. 10c..	5
2322	**Regelianum** Purplish violet.....1 oz 10c..	5
2324	**Ruby King** Ruby red, dark leaved.....1 oz 10c..	5
2325	**Vesuvius** Salmon rose.....1 oz 10c..	5

	Fancy and Variegated Leaved Varieties	Pkt
2326	**Golden Cloth** The foliage is of bright yellow, while the flowers are intense scarlet.....1 oz 10c...	5
2327	**Ivy Leaved Mixed** Deep green leaves of distinct ivy-form. The flowers are beautifully fringed at the edges of the petals and at the throat.....1 oz 10c...	5
2328	**Queen of Tom Thumbs** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage and is strikingly handsome and useful for bedding or pot culture..1 oz 10c..	5
2330	**DWARF MIXED**.....1 lb 70c; ¼ lb 20c; 1 oz 10c....	5
2336	**COLLECTION No. 1 OF DWARF NASTURTIUM, 10 VARIETIES.** Our choice.....1 pkt each 35c..	
2338	**COLLECTION No. 2 OF DWARF NASTURTIUMS, 10 VARIETES.** Our choice.....1 oz each 75c..	

2335 **VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS** Will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers.....1 lb. $1.50; ¼ lb 45c; 1 oz 15c. 10

TALL or CLIMBING VARIETIES ⊙

The tall sorts are luxuriant climbers for verandas, trellises, fences, etc. They are especially adapted to the covering of unsightly railings and to trail over rough ground; their flowers are generally larger than those of the dwarfs. The seed pods can be gathered while green and tender for pickling.

	Green and Dark Leaved Varieties	Pkt.
2340	**Black Prince** Velvety black flowers, dark foliage	5
2342	**Cardinal** Scarlet flowers, dark foliage.....1 oz 10c..	5
2344	**Chameleon** On one and the same plant are found self colored flowers, others stained and blotched on a clear ground, while others are broadly edged or banded with light or dark shades.....1 oz 10c..	5
2345	**Coquette** The flowers vary so greatly from each other that it is almost impossible to find any two alike. It produces every color known in Nasturtiums...1 oz 10c..	5
2346	**Dunnet's Orange** Bright orange flowers....1 oz 10c..	5
2348	**Heinemanni** Chocolate color, odd.....1 oz 10c..	5
2350	**Jupiter** Strong running growth and large, rich golden yellow flowers.....1 oz 10c..	5
2352	**King Theodore** Rich deep crimson flowers; dark leaves.....1 oz 10c..	5
2355	**Pearl** Creamy white.....1 oz 10c..	5
2356	**Prince Henry** Light yellow, marbled scarlet. 1 oz 10c..	5
2358	**Regelianum** The best rich crimson.....1 oz 10c..	5
2360	**Virchow (Rose Queen)** The best pink.....1 oz 10c..	5

	Fancy and Variegated Leaved Varieties	Pkt
2361	**Golden Cloth** Scarlet flowers with yellow foliage.	5
2362	**Emma Alida** Dark ivy-leaved foliage, with golden yellow, orange and deep scarlet laciniated flowers.....	5
2363	**Princess Juliana** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown.....	5
2364	**Queen Alexandra** Variegated leaves, flowers blood red, marbled and mottled.....	5
2365	**Queen Emma** Variegated leaves, deep scarlet flowers..	5
2366	**Queen of the Morning** Variegated leaves, flowers aurora colored.....	5
2370	**TALL MIXED, all sorts**..1 lb 60c; ¼ lb 20c; 1 oz 10c..	5
2380	**LOBB'S MIXED** The strongest growing, attaining the greatest height.....1 lb 75c; ¼ lb 25c; 1 oz 10c..	5
2390	**MADAM GUNTHER'S HYBRIDS** For richness and variety of color these hybrids have no equal among Nasturtiums. It is impossible to describe all the different colors.....1 lb $1.00; ¼ lb 30c; 1 oz 10c..	5
2405	**COLLECTION No. 3 TALL NASTURTIUMS, 10 VARIETIES** Our choice.....1 pkt each 35c..	
2410	**COLLECTION No. 4 TALL NASTURTIUMS, 10 VARIETIES** Our choice.....1 oz each 75c..	

2400 **VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS** We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, the Canary Bird Creeper, the hybrids of Madam Gunther, Coquette and the new variegated leaved varieties.....1 lb. $1.50; ¼ lb 45c; 1 oz 15c 10

PANSY VAUGHAN'S INTERNATIONAL MIXTURE

Vaughan's Giant Pansies ⊙ ⊙ 6 in.

One of the loveliest blossoms which greets our eye in early spring. The dainty, velvety, many colored little faces welcome us from the springtime until late fall if properly grown in a shady spot. The following list represents the selection of all the varieties grown; after careful comparison and observation followed up through years, we find this list will supply every shade known in Pansies and other varieties are but close resemblances to the ones listed. We try every novelty which is offered anywhere and will list it if it proves something strikingly new or an improvement on already existing varieties. A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for at the time of ordering. The higher priced packets will produce larger flowers.

		Pkt.
2500	**Adonis,** light blue with a white center.....⅛ oz. 25c	10
2501	**Andromeda,** delicate apple-blossom.....⅛ oz. 40c	10
2502	**Aureola,** carmine white stripe.....⅛ oz. 50c	10
2503	**Auricula Colors,** metallic shades.....⅛ oz. 25c	10
2504	**Beaconsfield,** upper petals light lavender, lower ones deep rich purple.....⅛ oz. 25c	10
2505	**Boulogne Giant Mixture,** the flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, colors rich and varied, 150 seeds..	25
2506	**Bridesmaid,** rosy white, dark blotches.....⅛ oz. 40c	10
2507	**Bugnot,** shades of red, bronze and reddish cardinal, brightest red and reddish brown.....⅛ oz. 50c	10
2508	**Cassiers 3 and 5 Blotched Mixed,** mostly light shades with dark blotches.....⅛ oz. 40c	10
2509	**Coal Black,** a jet black of truly giant size.....⅛ oz. 25c	10
2510	**Comet,** porcelain white with fine blue stripes on lower petals.....⅛ oz. 40c	10
2511	**Emperor Francis Joseph,** pure white, large blotch of brilliant violet blue on each petal.....	10
2512	**Emperor William,** dark navy blue.....⅛ oz. 25c	10
2513	**Eros,** deep velvety brown, edged golden.....⅛ oz. 40c	10
2514	**Fiery Faces,** very rich scarlet, with a gold edge and yellow center.....⅛ oz. 35c	10
2515	**Freya,** deep purple violet, with white margin...⅛ oz.25c	10
2516	**Goliath Golden Queen,** golden yellow with three large blotches.....	10
2517	**Mad. Perret,** lovely shades of pink and rose..⅛ oz. 25c	10
2518	**Marechal Niel,** very large, without any blotches or veins, and are of the same delicate pleasing, cream color as the rose whose name it bears.....⅛ oz. 40c	10
2519	**Mauve Queen,** a most pleasing mauve.....⅛ oz. 25c	10
2520	**Masterpiece—New Giant Curled or Spencer Pansies,** this strain comes nearer to Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double.....⅛ oz. 50c..	10
2521	**Orchid-Flowered,** the ground color of nearly all the flowers is light, the petals being marked with large brown or golden yellow blotches which diffuse into rays and veins towards the edge. The upper petals are upright and plaited, resembling orchids.....⅛ oz. 40c	10
2522	**Parisian Striped,** stripes are broad and loud..⅛ oz. 25c	10
2523	**Paris Market,** an improved strain of Trimardeau, with better flowers and more compact habit.....⅛ oz. 20c	5
2524	**Pink,** lovely shades of pink, same as Hydrangea.⅛ oz. 40c	10
2525	**President Carnot,** fine blotched white.....⅛ oz. 40c	10
2526	**President McKinley,** fine blotched yellow.....⅛ oz. 50c	10
2527	**Purple,** very large, rich deep purple.....⅛ oz. 25c	10
2528	**Pretiosa,** each petal has a very large blotch of deep violet surrounded by crimson background, with pure white edge.....⅛ oz. 40c	10
2529	**Psyche,** the five velvety violet blotches are surrounded by broad white edge.....⅛ oz. 45c	10
2530	**Raphael,** blue veins and dark violet spots on white ground.....⅛ oz. 45c	10
2531	**Rosy Morn,** a bright purplish crimson margined with a clear white edge.....⅛ oz. 45c	10
2532	**Siegfried,** they are mostly 5 spotted with a clear white margin. The colors are of rich brown shades such as are found in the English Wallflower.....⅛ oz. 35c	10
2533	**Striped,** mahogany, striped and flaked white..⅛ oz. 25c	10
2534	**Trimardeau,** mixed.....⅛ oz. 25c	10
2535	**Violet Blue,** a very pleasing shade.....⅛ oz. 25c	
2536	**Volcano,** the best red Pansy, each petal being marked with a very large dark blotch. The flowers are large and the edges of the petals are curled.....⅛ oz. 40c	10
2537	**Pure White,** pure white without blotches....⅛ oz. 30c	10
2538	**White,** very large, with violet eye.....⅛ oz. 25c	10
2539	**Pure Yellow,** golden yellow without blotches.⅛ oz. 30c	10
2540	**Yellow,** immense flowers with dark eye.....⅛ oz. 25c	10
2541	**Chicago Parks Bedding Mixed,** great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts.....¼ oz.35c; ⅛ oz. 20c	20 5

2550 **Vaughan's Collection of Giant Pansies.** One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White Pure Yellow, Madam Perret.....7 packets for.. 25

2555 **Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. ⅛ oz $1.00; 1 pkt 250 seeds 20c; 3 20c pkts 50c.....125 seeds...**10c**

VAUGHAN'S SPECIAL

2560 **Vaughan's International Mixture.** This is,and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make International Pansy better than ever. 3 pkts (750 seeds) 65c; 5 pkts (1250 seeds) $1.00; ⅛ oz. $1.75; 250 seeds..... 25

VAUGHAN'S SPECIAL

PETUNIA—Vaughan's Best Mixture

2592 **PASSIFLORA Coerulea Grandiflora—Passion Flower** Pkt
⌓ § 15 ft. Southern Beauty. A beautiful vine for greenhouse and window, called Passion Flower, since tradition sees represented in its flowers the symbols of the Christian Faith..... 10

2595 **PENNISETUM Longistylum** ⊙ 2½ ft. An Abyssinian grass with long feathery bearded bristles.....½ oz 20c.. 10

2596 **Rueppelianum** The spikes are longer and more graceful. An annual in the northern states, and seed should be sown each year.....¼ oz 20e.. 10

2598 **PENTSTEMON Digitalis** 2ℓ 2 ft. Foxglove Pentstemon, spikes of white flowers, with purple throat..... 5

2600 **Hartwegi Grandiflora, Newest Large Flowering** This is a much improved strain of these beautiful flowers. The flowers are very large, very numerous, in shape like a Gloxinia and are borne on long stems. In color they vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged with a fine contrasting color. If sown early will bloom the first year..... 25

2602 **Pubescens** Spikes of bright rosy-purple flowers..... 5

2605 **Pentstemon Mixed** A great variety of kinds and colors 5

Periwinkle See Vinca.

PETUNIA ⊙

For freedom of bloom, variety of color, ease of culture and effectiveness, these rank with Asters, Phlox and Verbenas. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Small Flowering Varieties 1½ ft.

2612 **Alba** Pure white.....¼ oz 20e.. 5
2614 **Carmen Sylva** Baby blue soft reddish purple..... 5
2615 **Countess of Ellesmere** Rose with white throat..... 5

PETUNIA—Continued

Small Flowering Varieties—Continued Pkt.

2616 **General Dodds** Blood red.....¼ oz 20e.. 5
2618 **Howard's Star** Regular white star-like stripes on old rose background.....⅛ oz 20c.. 10
2625 **Good Mixed**.....1oz 50c; ½ oz 30c.. 5
2630 **Finest Mixed**.....¼ oz 25e.. 10

Hybrida Nana Compacta 12 to 15 in,

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2631 **Editha** A small, profuse bloomer, useful for outside bedding and boxes. The flowers are rose with a dark carmine star, veined and netted with a brilliant carmine..... 15

2632 **Gloria** A new valuable addition to the dwarf small flowering Petunias. The flowers are brilliant carmine, a very conspicuous color, and appear in great abundance. Excellent for bedding in masses..... 10

2633 **Inimitable** Regular white stars on deep old rose ground. Very effective when planted in masses.....⅛ oz 15c.. 5

2634 **Rosy Morn** Brilliant rose with white star-shaped marking.....⅛ oz 25c.. 10

2635 **Snowball** Pure white.....⅛ oz 25e.. 5

2636 **Dwarf Mixed** The above and others.....⅛ oz 20e 10

Large Flowering Varieties

2640 **Large Flowering Fringed Mixed** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable brilliancy and variety of color 25

2641 **Giants of California Mixed** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc.....200 seeds 15

2642 **German Empress,** Giant flower, bluish white, veined purple..... 15

2643 **Karlsruher Rathaus** The Germans have a happy idea in using Petunias in window boxes. They are wonderfully attractive when used in this way, and ought to be used more extensively here. This variety receives its name from the City Hall of Karlsruher in Germany. The flowers are very large, very deep violet blue and should be planted with a white background to be effective..... 15

2644 **Rheingold** A large flowering pure white flower with a clear yellow throat..... 20

2645 **King Edward.** Deep blood-red, white center, very distinct 15

2646 **Balcony Queen.** Rich, velvety violet with white blotches; one of the most telling sorts for porch and window boxes..... 15

2647 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture..... 25

2648 **Vaughan's Best Mixture of Large Flowering Single Petunias** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as Vaughan's Best.....300 seeds 25

2650 **Vaughan's Mixture of Double Petunias** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers.....200 seeds 30

2652 **Imported Collection of Double Petunias** 6 varieties. 75

2655 **PHACELIA Tanacetifolia** ⊙ 1½ ft. Tansy-leaved, rich deep blue flowers, good for bees.....½ oz 10c.. 5

PHLOX Drummondi Grandiflora

PHLOX Cuspidata

PHLOX Decussata

ANNUAL PHLOX ⊙

The Phloxes are certainly among the showiest and most easily managed of all the annuals. From June until October they maintain an endless display of varied colored flowers. A fine effect is obtained by planting the beds with different colors so that they harmonize. The plants will be more bushy and cover the bed better if pinched back when small.

Drummondi Grandiflora Large Flowering ⊙ 1 ft.

		Pkt
2660	**Alba** Pure white	
2662	**Alba Oculata** With white eye	
2664	**Atropurpurea** Black brown	
2665	**Coccinea** Fiery scarlet	
2666	**Coccinea Striata** Scarlet striped	
2668	**Coerulea Striata** Blue striped	
2670	**Isabellina** Yellow	
2672	**Kermesina Splendens** Vivid crimson	
2674	**Orbicularis Atrorosea** Dark rose with eye	
2675	**Orbicularis Violacea** Dark blue with eye	
2676	**Rosea** Pink	
2678	**Rosea Striata** Pink striped	
2680	**Rosea Aurea Stellata** Gold Star	
2684	**Stellata Splendens** Vivid crimson with white star	
	All the above ..... ⅛ oz. 15c, 100 seeds	5
2685	**Splendid Mixture** All the above and others ..... 1 oz 75c; ¼ oz 25c; 250 seeds.	10
2686	**Imported Collection** 6 varieties	25
2688	**Imported Collection** 12 varieties	50
2690	**Drummondi Mixed, Good Mixture** .... ¼ oz. 15c	5
2695	**Cuspidata Mixed** Star of Quedlinburg. Mixture of star-shaped flowers ..... ⅛ oz 15c	5

Drummondi Semi-Plena Double Phlox 1 ft.

2702	**Alba** White	10
2704	**Isabellina** Yellow	10
2705	**Coccinea** Scarlet	10
2710	**Mixed** The above and others ..... ⅛ oz. 20c	10

PHLOX—Continued

		Pkt
2727	**Vaughan's Special Mixture** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. A bed of Phlox Drummondi in assorted colors makes a grand display all summer ..... 1 oz $1.25; ¼ oz 40c; ⅛ oz 25c; 250 seeds	15

Drummondi Nana Compacta 8 in. **Dwarf Phlox** These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

2728	**Chamoisrosa** Salmon pink	⅛ oz 35c	10
2730	**Coerulea Stellata** Blue star	⅛ oz 35c	10
2735	**Fireball** Blood red	⅛ oz 35c	10
2736	**Isabellina** Yellow	⅛ oz 35c	10
2738	**Leopoldi** Pink center with white eye	⅛ oz 35c	10
2740	**Snowball** Pure white	⅛ oz 35c	10
2742	**Splendens** Crimson with a white eye	⅛ oz 35c	10
2743	**Salmon Star** The flowers, borne in immense trusses, are usually large and of a pleasing salmony rose with a clear white center. Very attractive for bedding	⅛ oz 35c	10
2745	**Mixed all Colors**	½ oz 75c; ⅛ oz 25c	10
2750	**Cecily Mixed** Flowers are immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact	⅛ oz 50c	15

2755 **PHLOX Decussata** 2ℓ 3 ft. **Perennial Phlox** These rank among the finest herbaceous plants for beds and borders. The seed of this germinates very slowly, often requiring 5 to 6 months. Mixture of all finest sorts ..... Pkt 10

2756 **PHYSALIS Franchetti** 2ℓ 1½ ft. **Chinese Lantern Plant** Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns 10

2758 **PHYSOSTEGIA Virginica** 2ℓ 3 to 4 ft. Forms dense bushes with spikes of delicate pink tubular flowers 5

2760 **Virginica Alba** White 10

Pinks See Dianthus.

PLATYCODON 2ℓ 1 to 2 ft. **Chinese Bell Flower**

Producing very showy flowers during the whole season. They form large clumps, and are excellent for planting in permanent borders or among shrubbery; easily raised from seed.

		Pkt
2762	**Grandiflorum** Large steel-blue flowers	5
2764	**Grandiflorum Album** Pure white	5
2765	**Coeruleum Plenum** Double blue	10
2766	**Album Plenum** Double white	10
2768	**Mariesii** Dwarf blue	10
2770	**Mariesii Album** Dwarf white	10

2775 **POINCIANA Gilliesi** ⌂ **Bird of Paradise** Pretty greenhouse shrub with panicles of golden yellow flowers with vivid red stamens 10

Polyanthus See Primula.

POPPY Nudicaule

POPPY Double Peony Flowered

POPPY Shirley

ANNUAL POPPIES ⊙ 2 ft.

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly when sowing.

SINGLE ANNUAL SORTS

2780 **Admiral** Glistening white, with a broad band of brilliant scarlet around the edges. ¼ oz 25c.. Pkt 10

2781 **Black Prince** A beautiful single Poppy of brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens and the yellowish green seed pods. 10

2782 **Bride** Very large pure white, perfectly formed flowers. 10

California Poppy See Eschscholtzia

2784 **Danebrog or Danish Flag** Brilliant scarlet flowers, with a silvery white spot on each petal, forming a white cross. 5

2785 **English Scarlet Field** Grows wild in Europe, in the rye fields, together with the blue Cornflower. ½ oz 15c.. 5

2786 **King Edward** A new single Poppy, producing flowers of a deep scarlet, shaded crimson, with a large black blotch at the base of each petal. 15

2787 **Persian (Laevigatum) or Firedragon** Dark scarlet black spots. ¼ oz 10c.. 5

2788 **Tulip (Glaucum)** Large tulip-shaped flowers of dazzling scarlet. ½ oz 15c.. 5

2790 **Umbrosum** Rich vermilion flowers with a deep, shining, black spot on each petal. ½ oz 15c.. 5

2792 **Shirley, Silk or Ghost** Shades of rose, pink, carmine and brilliant crimson, many have white edges. ½ oz 15c.. 5

2794 **Santa Rosa** A selection of the above made by Mr. Luther Burbank, contains a greater variety of color combinations, and named for the originator's home. ½ oz 25c.. 10

2795 **Vaughan's Special mixture of Single Poppies** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice.. ¼ lb 70c; 2 oz 40c; 1 oz 25c; ½ oz 15c. 10

DOUBLE ANNUAL SORTS

2800 **American Flag** Flowers very large and double. Snow white, scarlet bordered. ½ oz 15c.. Pkt 5

2802 **Fairy Blush** The flowers have the effect of large feathery balls, overcast with a rosy shade.. ½ oz 15.. 5

2804 **Giant Double Pure White**. ½ oz 20c.. 10

2805 **Giant Double Yellow**. ½ oz 20c.. 10

2806 **Giant Double Pink**. ½ oz 20c.. 10

2808 **Giant Double Cardinal Red**. ½ oz 20c.. 10

2812 **Mikado** The striped Japanese Poppy; flowers brilliant scarlet and white with elegantly curled petals, like a Japanese Chrysanthemum. ½ oz 15c.. 5

2814 **White Swan** Fringed double white. ½ oz 10c.. 5

2815 **Carnation-Flowered Mixture of Double Poppies** Large sized flowers of all shades, many striped. The Opium Poppy. 1 oz 15c.. 5

2820 **Peony-Flowered Mixture** Double ball-shaped flowers of gigantic size. 1 oz 15c.. 5

2825 **Rhoeas Fl. Pl. Double French Mixture** The double form of the Shirley type. 1 oz 15c.. 5

2828 **Vaughan's Special Mixture of Double Poppies** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb 70c; 2 oz 40c; 1 oz 25c; ½ oz 15c 10

2830 **Vaughan's Special Mixture of Double and Single Poppies** Comprises not only all the double and single Poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones... 1 oz 30c; ½ oz 20c. 10

PERENNIAL POPPIES 2′

These Poppies when once planted will last for all time. They differ from the annuals in the original root living and increasing in size, and not from being self-sown from seed dropped the previous year.

2832 **Laciniatum Alpinum** 6 in. The plants grow in low tufts producing many slender flower stalks, bearing lovely flowers in white, salmon, rose or orange. The petals are laciniated, fluted and fringed. Pkt 15

2834 **Bracteatum** 3 ft. Giant scarlet flowers... ¼ oz 15c.. 5

2835 **Nudicaule, Single Mixed Iceland Poppy** 1 ft. These Poppies produce flowers the first year from seed. The colors range from the purest white to the deepest orange scarlet and have a delicious fragrance. Excellent for vase and house decorations. ⅛ oz 20c.. 10

2836 **Nudicaule, Double Mixed**. 15

2838 **Orientale, Oriental Poppy** 3 ft. One of the showiest of perennials with enormous scarlet flowers with purple centers. The leaf is long and deeply cut and clothed with white bristly hair. Beautiful among shrubs, roses and other perennials. 10

2839 **Orientale Princess Victoria Louise** Large flower, soft lilac rose color. 10

2840 **Orientale Hybrida** All shades from softest pink to deepest red. 10

PORTULACA—Rose Moss

CHINESE—Primrose

PRIMULA—Obconica Grandiflora

PORTULACA—Rose Moss ⊙ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through.

Large Flowering Single Sorts

		Pkt.
2842	**White**	5
2844	**Yellow**	5
2845	**Pink**	5
2846	**Striped**	5
2848	**Scarlet** ¼ oz 20c	5
2849	**Parana** Extremely large reddish purple flowers	15
2850	**Single Mixed** 1 oz 50c; ¼ oz 15c	5
2852	**Imported Collection of 8 Colors**	25

Large Flowering Double Sorts

2854	**White**	10
2855	**Yellow**	10
2856	**Pink**	10
2858	**Scarlet**	10
2860	**Double Good Mixture** ¼ oz 25c	5
2865	**Double Best Mixture** ⅛ oz 75c	10
2868	**Imported Collection of 6 Colors**	35

PRIMULA—Primrose

2880 **Auricula** 2ℓ 6 in. Flowers in early spring in various colors of yellow, brown and red. 10

Chinese Primrose ⌓ 8 in.

This is one of the most charming winter flowering house plants. May be raised very easily from seed by following the cultural instructions on the packet. Leaves are rich green and prettily cut, flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own.

2882 **Covent Garden White** 2884 **Giant Pink**
2883 **Orange King** 2886 **Improved Chiswick Red**
2887 **True Blue** Each of the above 100 seeds 25c
2888 **Good Mixture of Single Varieties** French grown. 5

2890 VAUGHAN'S SPECIAL **Vaughan's International Mixture** Our mixture contains all the choicest colors of the single flowering Primulas in all their dainty shades. 100 seeds 15

2892 **Malacoides** 2ℓ—10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. 25

2894 **Forbesi—Baby Primrose** 2ℓ ⌓ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems.

2895 **Japonica Mixed** 2ℓ 10 in. Japanese Primrose. Bright and showy flowers borne in whorls. 10

2896 **Obconica Grandiflora Mixed** 2ℓ 10 in. The flowers are of a soft lilac, pink, rose, lavender or crimson, It is one of the most useful Primulas for pot culture and also succeeds well in the open border during the summer. 10

2897 **Grandiflora Crispa.** The edges of the petals are curled and waved, thereby presenting a flower head which appears larger and fuller than the plain-edged types. The color is a beautiful apple-blossom pink. 25

PRIMULA—Continued

2898 **Gigantea Rosea.** The leaves are dark green; thick and leathery, roundish, veined at the edges, and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ in. in diameter, and are borne in clusters up to four in across. Pkt. 25

2899 **Gigantea Kermesina.** Brilliant carmine red; a beautiful and very conspicuous color. 25

2900 **Vulgaris** 2ℓ 3 in. Yellow primrose. 5

2905 **PUERARIA Thunbergiana** 2ℓ § 50 ft. **Kudzu Vine** or **Jack-and-the-Bean-Stalk** Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. ¼ oz 30c 5

2910 **PYRETHRUM Parthenifolium Aureum** 2ℓ 6 in. **Golden Feather** One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual. ¼ oz 20c 5

2912 **Roseum Hybridum Grandiflorum** 2½ ft. **Giant Flowered, Mixed.** The flowers of this strain grow to an enormous size and present all the beautiful variations of color between light rose, pink and deep carmine. 15

2913 **Roseum Kelway's Hybrids** A selection made by Kelway and our seed is direct from the originator. Beautiful and varied colors exhibited in the flowers. 25

2914 **Roseum Hybridum Fl. Pl. Double Mixed.** Large flowering double; seed saved from a celebrated collection. 25

2915 **Uliginosum** 3 ft. It is literally hidden beneath the multitude of large, white, daisy-like flowers. 10

2920 **RHEUM Palmatum Tanguticum** 2ℓ 3 ft. Ornamental Rhubarb. Grows easily from seed. 5

2925 **RHODANTHE Mixed** ⊙ 1 ft. Very beautiful, delicate looking, everlasting. ¼ oz 15c 5

RICINUS—Castor Bean ⊙

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

2930 **Borboniensis Arboreus** 15 ft. Immense plants with green foliage. 1 oz 10c 5

2932 **Cambodgensis** 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black. 5

2934 **Panormitanus** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental. 10

2935 **Sanguineus** 6 ft. Green leaved, red stems and seeds. 1 oz 10c 5

2936 **Zanzibariensis Mixed** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. 1 oz 15c 5

2938 **Mixed** Many sorts. 1 lb 70c; 1 oz 10c 5

SALPIGLOSSIS—Vaughan's Special Mixture

SALVIA Splendens

SCABIOSA—Double Large Flowering

2940 **ROSE Polyantha or Baby,** 1 ft. Grows easily from seed and makes a charming little pot plant in a short while. Pkt. 10

2942 **RUDBECKIA Bicolor Superba—Coneflower** ⊙ 2 ft. Fine free flowering annual variety forming a dense bush and producing in great abundance on long stems, its bright flowers. The disc is brown, the florets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting. 10

2944 **Newmanni** ♃ 3 ft. Bright orange yellow petals surrounding a black cone, very floriferous. 10

2945 **Grandiflora** 3 ft. Produces from mid-summer until late autumn, large showy, reddish-purple flowers about 4 in. across; a remarkably large cone shaped center of brown, thickly set with golden tips. 15

SALPIGLOSSIS ⊙ 2½ ft,

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic.

The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this try one package and we know your garden will always contain it after you have seen it.

2946 **Bright Crimson** 15
2947 **Faust** Black 15
2948 **Lilac and Gold** 15
2949 **Pink** 15
2950 **Purple Violet with Gold** 15
2951 **Velvety Violet** 15
2952 **Golden Yellow** 15

2953 **Mixed** Good quality in many colors. ¼ oz 20c. 5

2955 **Emperor Mixed** Large flowering improved strain, with most complete range of colors. ⅛ oz 20c. 10

2960 **Vaughan's Special Mixture** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ¼ oz 50c 15

2962 **SALVIA Argentea** ♃ 3 ft. Silvery foliage with small white flowers. 5

2964 **Coccinea** ⊙ 2 ft. Annual scarlet sage. ¼ oz 15c. 5

2965 **Farinacea** ⊙ 3 ft. Tall spikes of silvery lavender blooms from a dense mass of foliage. 5

2966 **Patens** ⌓ 2 ft. Ultramarine blue, beautiful flowers. Roots may be wintered inside like Dahlias. 10

The above four varieties are not for display bedding.

SALVIA SPLENDENS Scarlet Sage ⌓ Pkt.

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting to give color. Its best use however is as a hedge or border plant, where long broad bands of intense color are desirable.

2969 **Fireball** 1½ ft. It has larger flowers and is also more free flowering than any other kind. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes so evenly divided over the foliage and of such erect habit as to hide the foliage. It is the earliest of all, flowering by the middle of July and continuing until frost. 15

2970 **Clara Bedman or Bonfire** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. ⅛ oz 50c. 10

2972 **Drooping Spikes** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. The flowers are produced in great numbers causing the spikes to droop by their own weight. ⅛ oz 40c. 10

2973 **Zurich** Early blooming flowering sage. The plants are dwarf and compact and commence to produce their large brilliant flowers when 3 in. high and bloom until frost. 20

2974 **Splendens** 2½ ft. The original scarlet sage ¼ oz 30c. 5

2975 **Mixed** The above sorts and others. ⅛ oz 35c. 10

3000 **SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. ¼ oz 20c. 5

3002 **SAPONARIA Caucasica Fl. Pl.** ♃ 8 in. Blush white fragrant flowers, fine for rock work. 5

3003 **Ocymoides Splendens** ♃ 9 in. Small rock plant, bright rose flowers. 5

SCABIOSA Mourning Bride 2½ ft. ⊙

Commonly known as the Pincushion Plant owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion, filled with pins, carries out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate.

Large Flowering Double

3010 **Snowball** 10
3012 **Golden Yellow** 10
3014 **Pink** 10
3015 **Fiery Scarlet** 10
3016 **Azure Fairy** 10
3018 **Black Prince** 10

3020 **Mixed** The above and many others. ½ oz 20c. 5

3025 **Caucasica** ♃ 2½ ft. Flowers beautiful, soft lavender. 10

3026 **Alba** White. 15

STOCKS—Giant Perfection

STOCKS—Beauty of Nice
One of the Best Winter Bloomers

STOKESIA Cyanea

3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. Pkt
The Poor Man's Orchid, neat, pyramidal bushes covered with a multitude of small butterfly like flowers of the most brilliant and striking color designs..... 10

3032 **Wisetonensis** ⊙ 1½ ft. This variety makes a fine pot plant and can be raised at any time of the year.... 25

3034 **SEDUM Coeruleum** ⊙ 4 in. Blue Stone Crop, fine for carpet bedding..... 5

3035 **SENECIO Elegans Fl. Pl. Mixed** ⊙ 1 to 2 ft. Jacobaea or American Groundsel. Good free flowering pot plant. 5

Sensitive Plant see Mimosa.

3036 **SHAMROCK** 2ℓ 6 to 8 in. True stock, imported from Ireland 10

3037 **SILENE Armeria Mixed** ⊙ 1½ ft. Catchfly. Summer flowering, suitable for rock work or open border..... 5

3038 **Pendula Mixed** 1 ft. Splendid for spring bedding... 5

3040 **SMILAX** ⌓ § 6 ft. Makes a fine pot plant for fall or winter. Sown in spring is ready in autumn..... 5

Snapdragon see Antirrhinum.

3042 **SOLANUM Capsicastrum Nanum** ⌒ 2 ft. Jerusalem Cherry. Easily grown plants with ornamental fruit. Especially fine for pots, remaining beautiful a long time. 10

3043 **Melvini** The fruits cling to the plant and cannot be shaken off..... 10

3044 **Christmas Pepper** 1 ft. Pot plant grown for the ornamental, bright colored fruit..... 10

3045 **STATICE Latifolia** 2ℓ 1¼ ft. Valuable plants for the border or rockery, with tufts of leathery foliage and immense panicles of minute deep blue flowers producing a remarkable effect. Blooms from June until September 10

3046 **STEVIA Serrata** ⊙ ⌒ 2 ft. White, star-shaped flowers, leaves fragrant, good cut flower..... 5

STOCKS LARGE FLOWERING ⊙ Gilliflower Levkojen

The stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

3050 **White**.. 3052 **Canary Yellow** 3053 **Flesh**....
3054 **Brilliant Rose**. 3055 **Crimson**. 3056 **Light Blue**
3058 **Purple**.....Each of the above.... 10
3060 **Fine Mixed**.....⅛ oz 15c.. 5
3070 **Best Mixed**.....⅛ oz 25c.. 10
3072 **Imported Collection** 6 colors..... 30
3074 **Imported Collection** 12 colors..... 60

Giant Perfection or Cut-and-Come-Again 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

STOCKS—Continued

3075 **White** 3080 **Scarlet** ..... Pkt
3076 **Canary Yellow** 3082 **Light Blue** .....
3078 **Pink** 3084 **Dark Blue** .....
Each of the above ..... .10
3085 **Mixed**..... ⅛ oz 40c.. 10
3086 **Imported Collection** 6 colors..... 50

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size. Seedlings will bloom in ten weeks.

3090 **White** ..... 3100 **Mixed** .....
3092 **Monte Carlo** Yellow 3094 **Queen Alexandra**
3095 **Pink**..... Delicate rosy lilac
3096 **Crimson.** Each of the above..... 10

Bismarck 2½ ft.

New; if sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3105 **White**..... 15
3108 **Gold Ball**..... 15
3110 **Lavender**..... 15

3131 VAUGHAN'S SPECIAL **Vaughan's Special Mixture of Stocks** Contains all the above and many others not catalogued..... 15

3135 **STOKESIA Cyanea—Cornflower Aster** 2ℓ 2 ft. Bears from 20 to 30 handsome lavender blue cornflower like blossoms from July until frost.....⅛ oz 25c.. 10

3136 **SWAINSONIA Grandiflora Alba** ⌒ 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; green acacia-like foliage.. 10

3510 **THALICTRUM Adiantifolium** 2ℓ 2 ft. Finely cut maiden-hair fern-like foliage and yellow flowers.....10

3512 **THUNBERGIA Alata Mixed** ⊙ § 5 ft. Black eyed Susan. Beautiful trailing plants for hanging baskets and lawn vases.....¼ oz 15c.. 5

3515 **TORENIA Fournieri Grandiflora** ⊙ ⌓ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue They are excellent for beds, pots or hanging baskets.... 10

3518 **Mixed**..... 5

3520 **TRITOMA Uvaria Grandiflora** 2ℓ 3 ft. Red Hot Poker or Torch Lily A most striking and exceedingly ornamental autumn flowering plant. The noble aspect and showy flower spikes from a dense root foliage render them valuable for shrubberies, borders. beds or lawns 10

3521 **YUCCA Filamentosa** 2ℓ 4 to 5 ft. Sometimes called Adam's Needle, a charming plant to group in the hardy flower border, or as specimens in the lawn. Flowers white, in June or July..... 10

SWEET PEAS—Large Flowering and Unwin Types ⊙ 5 to 6 ft.

Below we offer a revised list of this class of Sweet Peas which includes every color known. We have omitted all small flowering and inferior varieties and duplicates under different names. If any one familiar with a name of a variety not catalogued here will write us for it, we can probably send precisely the same shade of color in an improved variety, under one of the names we list here.

		¼Lb.	Oz.	Pkt.
3400	**America,** The brightest blood-red striped white	$ 25	$ 10	$ 05
3401	**Black Knight,** dark maroon	25	10	5
3402	**Blanche Ferry** Pink and white	20	10	5
3403	**Dainty** White with pink picotee edge, unique	25	10	5
3404	**Dorothy Eckford** One of the best whites	20	10	5
3405	**Emily Henderson,** white, early and free	20	10	5
3406	**Frank Dolby** Largest and finest pale blue		30	10
3407	**Flora Norton** A very bright blue	25	10	5
3408	**Gladys Unwin** Pale rosy pink	25	10	5
3409	**Hon. Mrs. E. Kenyon,** yellow	20	10	5
3410	**King Edward VII,** fine scarlet	25	10	5
3411	**Lady Grisel Hamilton,** a standard lavender		15	5
3412	**Lord Nelson** Deeper, richer than Navy Blue	25	10	5
3413	**Mrs. Walter Wright** Beautiful mauve color	25	10	5
3414	**Nora Unwin** Giant white	50	15	5
3415	**Prima Donna,** soft pink	25	10	5
3416	**Queen Alexandra** Giant size scarlet	35	15	5
3417	**Rose du Barri,** salmon rose and orange	30	10	5
3418	**Salopian,** dark bright red	25	10	5
3419	**Senator,** chocolate, striped white	25	10	5
3420	**White Wonder,** the many-flowered white	50	15	5

SWEET PEAS IN MIXTURE

MIXED SWEET PEAS IN SEPARATE SHADES

For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

3421 **Pink Shades** Light to deep pink

3422 **Red Shades** Bright rose to dark scarlet

3423 **Lavender and Blue Shades** Pale lavender to mauve and heliotrope

3424 **Purple and Maroon Shades** All the dark colors

3425 **White and Primrose Shades** All the delicate tints

3426 **Striped Sorts** Various striped combinations

Each of the above, lb $1.00; ¼ lb 35c; oz 10c.

3427 **COLLECTION OF ONE OUNCE EACH OF THE SIX SEPARATE SHADES 40c**

3429 **Eckford's Mixture** Contains some of each of the entire list of varieties and cannot fail to give satisfaction. lb 70c; ¼ lb 20c; oz 5c

3450 **SWEET PEAS VAUGHAN'S PRIZE MIXTURE**

This is the only complete and thoroughly up to date mixture in existence. It is mixed from a carefully prepared formula which is revised each year. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continued joy and surprise.

VAUGHAN'S SPECIAL

lb $1.25; ½ lb 65c; ¼ lb 35c; oz 15c; pkt 10c

CHRISTMAS OR WINTER-FLOWERING SWEET PEAS

A separate class that has become popular for greenhouse forcing. They start blossoming in from eight to twelve weeks from sowing and blossom uninterruptedly for weeks. The flowers are of very fine size, on long stems, grown out-of-doors they blossom early but smaller. Price of any of the following: Pkt 5c; oz 15c; ¼ lb 50c

3451 **Christmas Countess** Sky Blue

3452 **Christmas Meteor** Red

3453 **Christmas Pink** Pink and White

3454 **Christmas Prima Donna** Daybreak Pink.

3455 **Christmas Sunbeam** Lemon colored

3456 **Christmas White**

3457 **Mrs. Alexander Wallace** Lavender

3458 **Mrs. William Sim** Salmon Pink

3459 **Le Marquis** Navy blue

3460 **Winter Flowering Mixed** All the above mixed

VERBENA—Vaughan's Best Mixture

VINCA Rosea

VIOLA Cornuta

VERBENA Hybrida ⊙ 9 in.

Single plants of this pretty annual creeper will carpet a space 8 to 10 in. in diameter with neat foliage and scores of fine flowers. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. The plants bloom from early summer to late fall. The best way to raise verbenas is from seed.

		Pkt
3525	**Defiance** The brightest color among Verbenas, a real intense scarlet	5
3526	**Dark Blue with White Eye** Very showy	5
3528	**Striped** Mostly light ground colors with red and blue stripes and streaks	5
3530	**Stellata Carminea** Carmine with a white eye	10
3532	**Stellata Purpurea** Purple and white	10
3534	**Stellata Coccinea** Scarlet with white eye	10
3535	**Good Mixed** 1 oz 60c; ⅛ oz 10c	5
3540	**Extra Choice Mixed** The above and the mammoth sorts and others 1 oz $1.00 ⅛ oz 15c	10

Mammoth Types

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542	**White**	10
3544	**Mayflower** Pink	10
3545	**Striped on White Ground**	10
3548	**Firefly** Intense red	10
3549	**Purple** Dark purple	10
3550	**Mammoth Mixed** The above and others. ¼ oz 25c	10

3555 **Vaughan's Best Mixture** This embraces all that is choice and desirable in Verbenas. It includes the mammoth flowered strains of three Verbena Specialists the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the whole summer. 1 oz. $3.00; ⅛ oz 50c; extra large packet 25c.....125 seeds 15

VAUGHAN'S SPECIAL

3556	**Dwarf Mixed** 6 in. Good for edging, making an even carpet of blossoms and leaves	10
3557	**Citriodora** ⌒ 3 ft. Lemon scented Verbena, white	10
3558	**Teucrioides** ⊙ 2 ft. White sweet scented	10
3560	**Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers	5
3575	**VERONICA Spicata** 2ℓ 1½ ft. An elegant hardy border plant bearing all summer, long spikes of bright blue flowers, which lengthen with age	10

VINCA Rosea—Periwinkle ⌓ 1 ft.

Ornamental free blooming plants; seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted and kept in bloom through the winter.

3580	**White** ⅛ oz 15c	5
3582	**White with Eye** ⅛ oz 15c	5
3584	**Pink** ⅛ oz 15c	5
3585	**Mixed** ¼ oz 25c	5

VIOLA Cornuta—Tufted Pansies ⊙ 2ℓ

While the Pansy proper is essentially a spring flower, the Violas offered here flower throughout the entire season. Seed sown in spring produce flowering plants by June, and from then on until frost they are a sheet of bloom.

3590	**White Perfection** ⅛ oz 25c	10
3592	**Lutea Splendens** Yellow ⅛ oz 25c	10
3594	**Blue Perfection** Light blue ⅛ oz 25c	10
3595	**Admiration** Rich violet ⅛ oz 25c	10
3596	**Mixed** ¼ oz 40c	10
3600	**Vaughan's Improved Scotch Pansies** This new strain produces flowers with "faces," every flower having a distinct face, which livens up a bed of them remarkably. The colors range from pale lavender to deep rich purple, with many charming intermediate shades	25
3605	**VIOLA Odorata Semperflorens** 2ℓ 6 in. The true blue Sweet Violet	10
3610	**VISCARIA Mixed** ⊙ 1 ft. Pretty plants with a mass of bright open flowers in red, white and blue shades	5

WALLFLOWER—Goldlack ⌓ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and their peculiarly sweet odor, should win favor. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered over in cold frames.

3615	**Single Mixed** ¼ oz 15c	5
3620	**Double Mixed**	10
3622	**Single Annual Mixed** ⊙ Seed sown in the open ground the first of May will commence blooming in July	10

Never in all time did any one see such lovely flowers as your best single large-flowering Petunias. Such great, splendid flowers. Such a riot of colors, and ***such*** color—words fail me. Imagine a single Petunia four inches across and more from point to point. They are a grand flower to defy horrible heat and drouth and just keep on growing. **Mrs. J. R. Knightlinger, Elmwood, Ill.**

ZINNIA—Vaughan's Giant-Flowered

WILD CUCUMBER—Echinocystis Lobata ⊙ § 30 ft.

3636 This is the quickest growing climber on our list. Grows wild self sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundanee of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly eover an old tree or an unsightly building.....1 lb $1.50; ¼ lb 40c; 1 oz 15c; ½ oz 10e.. Pkt 5

3640 **XERANTHEMUM Double Mixed** ⊙ 2 ft. Very good Everlasting with silvery foliage and silky flowers in pink, white and purple.....¼ oz 15c.. 5

3645 **ZEA Japonica Quadricolor Perfecta** ⊙ 4 ft. Ornamental Japanese Maize, leaves are striped in yellow, green, rose and dark red.....¼ oz 20e.. 5

ZINNIA—Youth and Old Age ⊙

The double Zinnia is one of the easiest grown and most showy garden annuals. The plants eome quickly from seed and are easily transplanted and make a fine display in a bed or border or among shrubs. Eaeh flower lasts for several weeks, and the plants bloom abundantly until destroyed by frost.

Elegans Fl. Pl. Double Flowered 2½ ft.

3702	**Alba** White.....	3708	**Scarlet**.....	
3704	**Golden Yellow**....	3710	**Jacqueminot** Blood red	
3705	**Flesh Color**.....			
3706	**Rose**.....	3712	**Zebra Striped**.....	
	Each of above.....		.....¼ oz 25e..	10
3713	**Double Good Mixed**.....		1 oz 25e; ½ oz 15e..	5

New Giant Double Flowered or Colossal ⊙ 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branehing freely, and make excellent material for groups or cutting.

3714	**White**.....	20	2718	**Crimson**.....	20
3715	**Golden Yellow**....	20	3719	**Scarlet**.....	20
3716	**Sulphur Yellow**...	20	3720	**Violet**.....	20
3717	**Flesh Color**.....	20	3721	**Purple**.....	20
3722	**Imported Collection,** 8 varieties as noted above.....					50

ZINNIA—Continued

We secured from a specialist the following new shades in Zinnias whieh we know will please everyone who likes this handsome annual..... Pkt

3723	**Apple Blossom**.....	3725	**Old Rose**.....	
3724	**Burnt Orange**.....	3726	**Black Purple**.....	
	Each of the above.....			10

3727 **Giant Striped** We discovered on our trip through the seed fields of a specialist in Europe a strain of striped Zinnias that produeed 90 per eent. of the most beautifully striped flowers we ever saw. The predominating shades are yellow, searlet, orange and white..... 15

3728 **Vaughan's Giant Flowered Mixed** This is a mixture of the largest Zinnias; plants are of vigorous growth, about 3 ft. in height and very profuse of bloom. The flowers are extremely double, and very brilliant in color, showing shades not found in any former eollection. Be sure and inelude this in your order.....¼ oz 30c.. 10

3730 **Double Crested and Curled** The flowers are large, the petals being twisted and curved into most graceful forms. The eolors comprise all the brilliant shades eharaeteristie of the Zinnias.....¼ oz 25e.. 10

3735 **Liliput Double Mixed** 15 in. The plants form handsome little bushes and fairly bristle with tiny, short stemmed, very double flowers, hardly exeeeding a daisy flower in size. They are very pretty plants, bloom all summer until late in the fall.....¼ oz 25c.. 10

3740 **Pompon Double Mixed** 2 ft. A very fine strain, containing many rich eolors and shades. The flowers are in size between the Liliput and the Large-flowering varieties.....½ oz 15c.. 5

3745 **Red Riding Hood** 1 ft. Of eompaet form and eovered the entire season with little button-like, intense searlet flowers not over an ineh across; as a border plant it is highly effeetive.....¼ oz 25e.. 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large Daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peeuliar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty.....¼ oz 25e.. 10

3755 **Mexicana Hybrida Fl. Pl.** 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide eultivation.....¼ oz 25c.. 10

3800 **WILD FLOWER GARDEN** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, etc.....1 lb $1.00; ¼ lb 30c; 1 oz 10c.. 5

WILD CUCUMBER—Echinocystis Lobata

SINGLE TUBEROUS BEGONIA

Summer Flowering Bulbs

There is nothing in floriculture that will give greater satisfaction or produce such grand results as this class of bulbs, which includes some of our showiest garden flowers. They are of the easiest culture. Planted in Spring in good garden soil they flower with great certainty during Summer and Fall. The hardy sorts may remain in the ground over Winter, but tender sorts should be taken up after the foliage dies in the Fall and the bulbs stored away in a dry, cool place until planting time the next spring.

TUBEROUS-ROOTED BEGONIAS

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require no more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist.

SINGLE SORTS, White, Scarlet, Yellow, Pink. Each, 6c; 4 for 25c; doz., 60c; per 100, $4.00; per 1000, $35.00.

SINGLE FRILLED. Each 12c; doz., $1.25; per 100, $8.00.
SINGLE BUTTERFLY. Each, 14c; doz., $1.40; per 100, $9.00.
SINGLE MIXED COLORS. 4 for 20c; doz., 50c; per 100, $3.50; per 1000, $30.00.
DOUBLE SORTS. White, Scarlet, Yellow, Pink. Each 10c; 4 for 35c; doz., $1.00; per 100, $7.00; per 1000, $65.00.
DOUBLE FRILLED. Each, 12c; doz., $1.25; per 100, $8.00.
DOUBLE BUTTERFLY. Each, 15c; doz., $2.00; per 100, $15.00.
DOUBLE MIXED COLORS. 4 for 30c; doz., 85c; per 100, $6.00; per 1000, $55.00.

NEW FREE-FLOWERING TUBEROUS BEGONIAS

BERTINI. 10 to 12 inches high; single flowering; elongated petals, vermillion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. **Each, 15c; 3 for 40c; doz. $1.50; per 100, $12.00.**

CRISTATA. Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. **Each, 20c; 3 for 55c; doz. $2.00; per 100, $15.00.**

GRAF ZEPPELIN. Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. **Each, 15c; 3 for 40c; doz. $1.50; per 100, $12.00.**

LAFAYETTE. A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double and borne upright on their stalks. One of the best for bedding, as it blooms all summer. **Each, 25c; 3 for 70c; per doz. $2.50; per 100, $20.00.**

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light; after flowers are off and leaves have started to turn yellow withhold water and put pot away from light. Do not start growth again until bulb shows signs of life itself, which it will do (even when soil is perfectly dry) by pushing out new leaves.

Vittata Hybrids. These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers **cannot be surpassed for their richness of color and markings;** spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet-shaped flowers, measuring sometimes 10 inches across. Something new and distinct in Amaryllis and should be given a trial by everyone. **Each, 50c; 3 for $1.25; doz. $4.75; 25 for $7.50; by express at purchaser's expense.**

Johnsoni. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. **Large Bulbs, each, 25c; 3 for 70c; doz. $2.60. Mammoth Bulbs, each, 40c; 3 for $1.15; doz. $4.50; by express at purchaser's expense.**

Formosissima. One of the most popular of the Amaryllis family. Flowers are of a beautiful dark scarlet, strangely marked. Planted outdoors after danger of frost is over, will bloom during the summer, and if lifted in early fall can be carried over winter like Gladiolus. **Large Bulbs, each, 10c; 3 for 25c; doz. $1.00; by express at purchaser's expense.**

APIOS TUBEROSA

Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria flower; are very fragrant and of a deep purple color. **2 for 10c; 5 for 20c; doz. 45c; per 100, $2.50, postpaid.**

CALLAS

Elliotiana. Flowers are of a rich golden yellow, often measuring from 4 to 5 inches across. Foliage is the same as that of the well-known Spotted Calla—deep green, with white spots. **Each 25c; 3 for 70c; doz. $2.50.**

Spotted Leaf. Similar to the well-known White Calla, but having its glossy, dark, rich green foliage marked and dotted with numerous white spots. The flowers are pure white with dark throat. **Each 10c; doz. $1.00; per 100 $7.00.**

CINNAMON VINE

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in one season. **Good Roots, each 5c; per doz. 50c; 100 for $3.50. Extra Large Roots, each 10c; 3 for 25c; doz. $1.00; per 100, $6.00.**

CHLIDANTHUS FRAGRANS

Of free flowering habit, with beautiful lemon flowers; very fragrant, being a combination between the Lilac and the Tuberose. **Each, 10c; 3 for 25c; doz. $1.00; per 100, $7.00.**

CALADIUM ESCULENTUM

(ELEPHANT'S EAR)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water.

FIRST SIZE BULBS. 1½ to 2½ inches in diameter. **Each, 7c; 3 for 18c; doz. 60c; per100, $4.00; per 1000, $35.00; postage 3c each.**

SELECT SIZE BULBS. 2½ to 3 inches in diameter. **Each, 10c; 3 for 25c; doz. 90c; per 100, $6.00; per 1000, $50.00; postage 5c each.**

EXTRA LARGE BULBS. 3 to 4 inches in diameter. **Each, 15c; 3 for 40c; doz. $1.50; per 100, $10.00; per 1000, $90.00; postage 10c each.**

MAMMOTH SIZE. Beautiful bulbs. **Each 20c; 3 for 55c; doz. $2.00; per 100, $16.00; postage 15c each.**

Showing Tropical Effect Obtained from Planting in Border

TUBEROSE

TUBEROSES

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier. Handling as we do a million of these each season, mainly for our wholesale and export buyers, enables us to select the **choicest bulbs** which the market produces for our catalogue trade.

EXCELSIOR DWARF PEARL—Mammoth

Our Mammoth Excelsior Dwarf Pearl is a special selection made for many years of the most dwarf, double and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms.

MAMMOTH BULBS. **Each 7c, 4 for 25c; doz. 65c, postpaid; by express, each 5c; doz. 50c; per 100, $3.00; per 1,000, $25.00.**

FIRST SIZE BULBS. **3 for 15c; doz. 50c, postpaid; by express, 3 for 12c; doz. 35c; per 100, $2.00; per 1,000, $15.00.**

SECOND SIZE BULBS. All-flowering; often sold by so-called "bargain-stores" under the name "first-class." **6 for 15c; doz. 25c, postpaid; by express, 6 for 12c; doz. 20c; per 100, $1.00; per 1,000, $8.00.**

ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut-flower and should be in everyone's garden. **Each 7c; 4 for 25c; doz. 60c, postpaid; per 100, $3.50, by express.**

SILVER-LEAVED. This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. **Each 5c; doz. 50c, postpaid; per 100, $3.00, by express.**

ALBINO. New branching single variety blooming much earlier than the old single variety; fine for cut-flowers. **Each 5c; doz. 50c, postpaid; per 100, $3.00, by express.**

GLOXINIAS—New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting, as they like a light soil. Be careful in watering so as not to wet the leaves, otherwise they will spot and the plant will lose part of its beauty.

EMPEROR FREDERICK. Red, with a pure white border.

MONT BLANC. Pure white.

DEFIANCE. Rich crimson-scarlet.

EMPEROR WILLIAM. Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Each 12c; 3 for 35c; doz. $1.25, prepaid; per 100, $9.00. Mixed colors, each 10c; 3 for 25c; doz. $1.00, prepaid; per 100 $7.00.

HYACINTHUS CANDICANS

(SUMMER HYACINTH)

Splendid bulb for planting in the perennial border, being perfecty hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. **Each 5c; 3 for 12c, doz. 45c, postpaid; by express, 100 for $3.00.**

TIGRIDIA—Shell Flower

Curious and beautiful shell-like flowers about four inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May and taken up in October and kept over winter in dry sand.

NAMED VARIETIES. **Each 7c; doz. 70c, postpaid; per 100, $4.50.**

MIXED VARIETIES. **Doz. 60c, postpaid; per 100, $4.00.**

ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as a Gladiolus.

ROSEA. Beautiful clear rose; flowers large and very handsome; blooms all summer. **Each 10c; 3 for 25c; doz. 90c, postpaid; per 100, $6.00; per 1,000, $50.00.**

CANDIA. Pure white and the most profuse bloomer of all. **Each 5c; 3 for 12c; doz. 45c, postpaid; per 100, $3.00; per 1,000, $25.00.**

IPOMOEA PALMATA

A wonderfully beautiful rapid climber with clusters of lavender flowers opening daily. The vine grows 25 feet long and the leaves are 10 inches apart, with a cluster of flowers at each leaf. The root, like the Dahlia, is of hardier substance, increasing in size from year to year. The woody fibre never rots and can be kept like dahlia roots in an ordinary cellar. Plant one and its free flowering and style of growth will make it your delight and the envy of your neighborhood. **Each 25c; doz. $2.50; per 100, $20.00.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat; foliage is luxuriant. One of the best climbers for northern latitudes.

FIRST SIZE ROOTS—Postpaid 15c, doz. $1.50.

EXTRA SIZE ROOTS—By express, each, 25c; doz. $2.50.

ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves appear. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. **Each, 15c; 3 for 40c; doz. $1.30; per 100, $10.00.**

MADEIRA VINES

One of the best and most popular climbers, not for the flower, which is insignificant, but for its leaves, which are small dark green and very dense. Vine is of slender growth and will succeed in any location, doing best, however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong tubers. **Each 5c; 3 for 12c; doz. 40c; postpaid; 100 for $2.50; per 1,000, $20.00.**

MONTBRETIAS

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladioli in growth and produce beautiful spikes of star-shaped flowers in various shades of orange, yellow and red. Mixed varieties, **3 for 10c; doz. 30c; 100 for $2.00, postpaid; per 1,000, $15.00.**

SUMMER FLOWERING OXALIS

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and a continuous show of bloom. Pure white, pink or red. Either color, **doz. 15c; 100 for 75c, postpaid; per 1,000, $6.00.**

GLOXINIA

LILIUM AURATUM

HARDY GARDEN LILIES

The favorite flowers of everyone who wishes to have a succession of bloom in the herbaceous border or beds. Lilies can be successfully planted amongst shrubbery, where they take up little or no room, and if properly chosen with regard to their time of flowering, a constant show can be had for the better part of the summer.

AURATUM—GOLD BANDED

The most beautiful and popular variety of all the Lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Postpaid		By Express, Purchaser's Expense	
	Each	Three	Doz.	Per 100
First Size, 8-9 in	$0 20	$0 50	$1 25	$ 8 00
Mammoth, 9-11 in	35	85	1 60	11 00
Monster, 11-12 in	50	1 25	2 25	16 00

SPECIOSUM ALBUM—WHITE

Splendid companion variety for Auratum and Rubrum. Pure white, with beautiful recurved petals, very fragrant. This with Rubrum and Melpomene, belongs to the Speciosum section.

	Postpaid		By Express Purchaser's Expense	
	Each	Three	Doz.	Per 100
First Size, 8-9 in	$0 35	$0 85	$1 80	$12 00
Mammoth, 9-11 in	45	1 25	3 00	20 00

SPECIOSUM RUBRUM—Crimson Banded. We consider this the most satisfactory of the Speciosum class. Once planted in a favorable location will last for years. Flowers are white with a deep rosy crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class.

	Postpaid		By Express Purchaser's Expense	
	Each	Three	Doz.	Per 100
First Size, 8-9 in	$0 20	$0 50	$1 25	$ 8 00
Mammoth, 9-11 in	35	85	1 80	12 00
Monster, 11-12 in	45	1 25	3 00	20 00

SPECIOSUM MELPOMENE. A most beautiful variety. Flowers frosted white, spotted, clouded and bearded with pinkish crimson. Petals are recurved and widely bordered.

	Postpaid		By Express Purchaser's Expense	
	Each	Three	Doz.	Per 100
First Size, 8-9 in	$0 20	$0 50	$1 40	$ 9 00
Mammoth, 9-11 in	35	85	1 80	12 00

AURATUM PLATYPHYLLUM. This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping, and of greater substance. **Each, 25c, postpaid; doz., $2.50; per 100, $20.00.**

HENRYII. A new, rare and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; the color, a rich apricot-yellow, lightly spotted with brown. **Each, 75c, postpaid; doz., $7.00.**

HANSONI. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable. Under favorable conditions it attains a height of 3 to 4 feet. **Each, 75c. postpaid; doz., $7.00.**

CANADENSE—Meadow Lily. Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Fine bulbs. **Each, 12c; doz., $1.25, postpaid; per 100, $8.00.**

ELEGANS AURORA. Deep rich orange suffused scarlet. **Each, 20c; doz., $2.00, postpaid; per 100, $12.00.**

ELEGANS LEONARD JOERG. Rich apricot, spotted. **Each, 20c; doz., $2.00, postpaid; per 100, $12.00.**

ELEGANS PAINTED CHIEF. Bright flame color. **Each, 20c; doz., $2.00, postpaid; per 100, $12.00.**

ELEGANS ROBUSTUM. Orange spotted maroon. **Each, 12c; doz., $1.25, postpaid; per 100, $8.00.**

ELEGANS MIXED. Each, 10c; doz., $1.00, postpaid; per 100, $7.00.

PARDALINUM—Leopard Lily. Rich scarlet and yellow spotted with rich brown. Robust and free-flowering. **Each, 12c; doz., $1.25, postpaid; per 100, $8.00.**

SUPERBUM. The finest of the native Lilies. Flowers bright orange-red thickly spotted with purple. Remarkable for immense height and profusion of bloom; a strong plant bearing from 20 to 30 flowers. **Each, 12c; doz., $1.25, postpaid; per 100, $8.00.**

TENNUIFOLIUM—Siberian Lily. A native of Siberia; one of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free-flowering, blooming early in the spring. **Each, 15c; doz., $1.50, postpaid; per 100, $9.00.**

TIGRINUM SPLENDENS—Improved Single Tiger Lily. Very hardy native Lily; orange-red, spotted purple-black. Pretty and bears 8 to 20 flowers when well established. **Each, 12c; doz., $1.25, postpaid; per 100, $8.00.**

TIGRINUM FLORE PLENO—Double Tiger Lily. The well known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. **Each, 12c; doz., $1.25, postpaid; 100, $8.00.**

UMBELLATUM A beautiful companion to Lilium Candidum, as it comes into bloom at the same time. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot; blooms about June 30. **Each, 15c; doz., $1.50, postpaid; per 100, $9.00.**

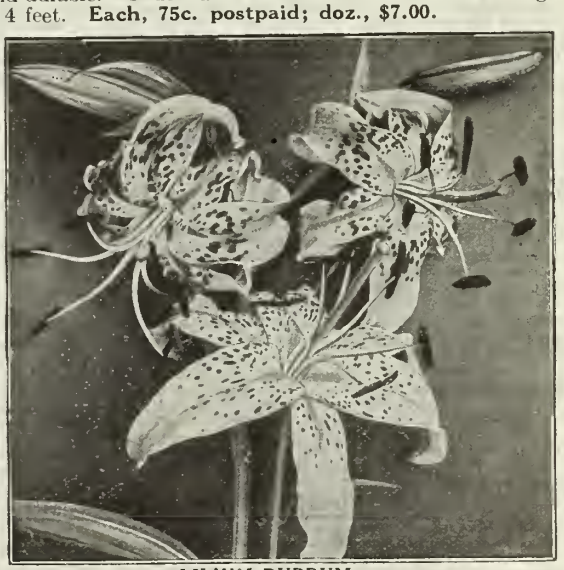
LILY-OF-THE-VALLEY

No garden is complete without a bed of these fragrant flowers. Should be planted in a shady place, where if left to themselves they will spread and increase rapidly. For planting outdoors the clumps are generally used, the pips being for indoor forcing; they, however, will give good satisfaction planted outdoors, as each pip contains a flower, which is not always the case with the pips found in the clumps.

LARGE IMPORTED CLUMPS. Planted in a shady, moist situatibn, being one of the hardiest of flowers, they require little or no protection. **Each, 30c; doz., $3.00; 25 for $5.50; by express or freight at buyer's expense. If wanted by mail, add 20c each for postage.**

COLD STORAGE PIPS FOR GREENHOUSE FORCING. Finest imported quality. Prompt delivery, any quantity, but not less than 250 pips at a time.

Price, 250 for $7.00; 500 for $12.00; 1000 for $22.00, by express.



LILIUM RUBRUM

GARDEN AND GREENHOUSE NOVELTIES

ROSE MADAME JULES GOUCHAULT

WITH each publication of our General Descriptive Catalogue, it is our ambition to continually make some new additions in all our departments, not merely with the object of having a large list of Novelties with illuminated descriptions for our customers to experiment with—we first give each a fair trial, whether it be a vegetable, a flower, a garden implement or an insecticide, and if we consider it an improvement on existing varieties, and as in the case of a flower, has some new and attractive qualities, then we list it with the full confidence of offering something that will do justice to itself, and to our name.

On this page we have gathered together from the body of the catalogue, some Garden and Greenhouse Plants which we are offering this year (1914) at prices which are by no means prohibitive, and we feel sure that each and every one of them will please even the greatest connoisseur.

SCILLA MARITIMA (Sea Onion)
MEER ZWIEBEL

Scilla Maritima (Urginea Scilla). (True Sea Onion.) Distinct from Ornithogalum Caudatum erroneously called Sea Onion. Native of the Mediterranean region, and little known in this country. Bulbs sometimes weigh 15 lbs., grown for medicinal purposes, chiefly for the preparation of Syrup of Squills, the popular Croup remedy. Also has emetic and cathartic properties. The extract is prepared from the middle layers, the outer scale and center being rejected. Forms plants about 2 ft. high, and bears long racemes of whitish flowers. Botanists say that this plant wards off snails in its vicinity. **Each 25c.; 35c.; 50c., according to size.**

SCILLA MARITIMA (Sea Onion)

SIX CHOICE ROSES

Madame Jules Gouchault (Dwarf Polyanthus). A superb variety with wood and foliage clear green. Blooms in large erect panicles of from 25 to 30 flowers, keeping very long. Buds bright vermilion red, tinted orange, turning to bright pink, and clear pink at the full bloom. Awarded a Silver-Gilt Medal by the R. H. S., London; and another Medal at the International Exhibition. Awarded a Gold Medal by the Societé Nationale d'Hortieulture de France, at the Paris Exhibition in May, 1913. Will be much appreciated for masses, pot culture, and for forcing. Large dormant plants, **each $2.00.** Small plants (ready in May), **50c; 3 for $1.25.**

Cecile Brunner (Dwarf Polyanthus). There is no doubt about the present popularity of this grand rose. It has a color that is both distinct and beautiful, and its profusion of blossoms, and long-flowering period all serve to make it a perfect rose for beds and borders. The buds at first appear rose pink, shading to salmon and orange in the center, toning off to pale flesh when fully open. 2 yr. dormant plants, **each 35c;** 2½ in. pots, **each 15c; 3 for 40c; doz., $1.50 prepaid;** 4 in., **each 30c; 3 for 80c; doz., $3.00 (Exp.).**

Mme. Chas. Lutaud (H. T.). A glorious rose of fine size and shape. The flowers, which are borne on long stems are large and full, of an exquisite deep chrome yellow, often blended with rosy scarlet and shrimp red. It has wonderful lasting qualities, never developing that washed-out appearance that many of this shade do, and with its delightful perfume, it is altogether a perfect rose for any purpose. Large plants, **each $1.25,** small plants (ready in May), **each 35c; 3 for 85c.**

Sunburst (H. T.). A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich coppery yellow of good size and form. Is a strong grower and having long strong stems is very fine for cut-flowers. 2½ inch pot plants, **each 25c; 3 for 65c, prepaid;** 3½ inch pot plants, **each 40c; 3 for $1.10 (Exp.).**

Killarney Brilliant (H. T.). It has the same habit of growth and the same freedom of bloom as its parent, while the flower is twice as large, having 25 to 40 full sized petals. The color is a brilliant pink, in bright weather it is almost crimson. 2½ inch pots, **each 75c; 3 for $2.00.**

Ophelia (H. T.). Intense salmon or glowing pink, often suffused with fiery salmon and shaded gold on the outer petals. The bud is long and pointed. It is short-jointed, long-stemmed, and a strong bushy grower with clean foliage. 2½ inch pots, **each 75c; 3 for $2.00.**

CHRYSANTHEMUMS

VAUGHAN'S NOVELTY SET FOR 1914
Price each 30c; any 3 for 80c; set of 6 for $1.50, postpaid.

Golden Robin. A bright golden yellow reflexed variety, easy grower with fine foliage and strong stem. Best flowers from buds taken about August 25th.

Mrs. Gilbert Drabble. Pure white, conforming in every way to the American ideal. The stem is perfectly rigid with foliage right up to the flower, which is of the very largest size with petals arranged in a whorl. The crown bud taken from August 5th on produces a grand flower.

Nakota. A very large Japanese incurved. Color orange buff. From buds selected last of August the petals assume a whorled form. Owing to the large size it will be a rival at coming shows in the deep yellow classes.

Pink Gem. Pleasing shade of pink, incurved flowers about 6 inches in diameter, perfect form, ideal stem and foliage and wonderful substance, placing this variety in the front rank of the commercial sorts. Height, 4 ft.

Ramapo. American seedling of Col. Appleton, which will take the place of that variety. It has all the good points of Appleton, the same color, splendid stem, foliage right up to the flower, and never shows a top-knot as does Appleton. We strongly recommend this variety as a first-class yellow.

Ursula Griswald. Color a soft creamy white with long narrow petals. A good grower and a grand variety for exhibition purpose. Second crown bud taken about August 20th will give best flowers.

NEW SINGLE CHRYSANTHEMUMS

Ceddie Mason. A crimson scarlet with golden center.
Mrs. Wm. Buckingham. Very large, lovely shade of intense rose. Strong grower with fine foliage.
Mensa. A double row of pure white broad petals with yellow center like a large daisy. **Price of above, each 35c; set of 3 for 90c, postpaid.**

NEW FUCHSIAS

Of late years Fuchsias are becoming extremely popular for bedding purposes, flowering from early Summer until Fall. They are often planted in conjunction with Pansies or Violas, the latter making an excellent carpeting for them, and showing off their bright colors to the fullest extent, the combination being grand.

Coral. Ornamental purple-leaved variety covered with racemes of coral red flowers. Quite distinct in form to the ordinary varieties, the flowers being long and tubular in shape. Free-blooming and a very desirable Novelty. **Each 35c; per dozen, $3.50.**

Riccartoni. Graceful shrub-like plant, very compact and twiggy, covered during the summer with small bright red blossoms. Grows in almost any soil and is especially good for planting under trees and other shady places. Its attractive flowers and graceful branches form a pleasing and lasting picture. Very useful for porch or lawn decoration when planted in tubs or large pots. In the fall after one or two good frosts, move the plants into a cool dry place where they should remain until planting time the following spring. This is hardy in the vicinity of Paris, France, and should be hardy in California, Florida and other Southern states. **Each 25c. and 50c.**

GERANIUMS

Lucifer. (Double.) Rich glowing scarlet, very free-flowering and large flower-heads. An ideal compact variety for bedding. **Each 35c; doz., $3.50.**

L'Etincelant. (Ivy-leaved.) (Double.) Glowing red, very strong growing with fine large flower-heads which are carried well above the foliage. **Each 25c; doz., $2.50.** **For other New Geraniums see page 94.**

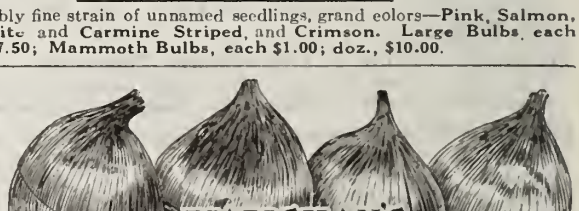
CANNA "FIREBIRD"

This is undoubtedly the finest red-flowered, green-leaved Canna of today. Immense flowers with petals often three inches in diameter, of a glistening bright scarlet. (See illustration page 96.) Price **each $1.50; 3 for $4.00; doz., $15.00.** **For other new and choice Cannas see page 96.**

AMARYLLIS—New Hybrids

A remarkably fine strain of unnamed seedlings, grand colors—**Pink, Salmon, Scarlet, White** and **Carmine Striped,** and **Crimson. Large Bulbs, each 75c; doz., $7.50; Mammoth Bulbs, each $1.00; doz., $10.00.**

Money In Growing Cut Flowers



VAUGHAN'S Gladiolus Bulbs

Cut flowers are always in demand everywhere. Flowers from Bulbs grow easiest. Plant Gladiolus—the beautiful spikes of bloom sell readily at from 25 to 50 cents per dozen all summer. We are offering here a fine collection of these Bulbs in the best red, pink and variegated shades, at lower prepaid prices than ever before.

GLADIOLUS BULBS—KENWOOD MIXTURE

25 bulbs prepaid	$0 20	300 bulbs prepaid	$2 00
60 bulbs prepaid	50	500 bulbs prepaid	3 75
125 bulbs prepaid	1 00	1000 bulbs prepaid	7 50

Plant at 10-day intervals for succession of blooms from July to October.
Always mention "Kenwood Mixture" when ordering from this special offer.

PLANT DEPARTMENT

A PRETTY DISPLAY OF SUMMER BEDDING PLANTS.

Unless instructed to the contrary, all orders are forwarded by express, at buyer's expense.

Plants by Mail. Plants from small pots, **when ordered at the "each" price,** will be sent **free by mail** when it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Plants from 3 in. pots and over, and bulky plants such as large Roses, Shrubs, etc., we send by express only, **at purchaser's expense.**

Plants by Express. The rate for these is 20% less than the general merchandise rate. We strongly urge this method of transportation as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent by **express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

NOTE: The term **(exp).** after a price denotes to be sent **by express.**

Plants by Parcels Post. While seeds, bulbs, plants, roots and scions will continue to be mailed as in the past at the third class rate of one cent for every two ounces or fraction, regardless of distance, under the new parcels post law the weight which may be so mailed has been increased from four to eleven pounds. The maximum size of the package is governed by the parcels post rules.

RATES OF PRICES	BEDDING PLANTS	RATES OF PRICES
At **10 cts.** each, we supply **3 for 25 cts.** At **15 cts.** each, we supply **3 for 40 cts.**		At **20 cts.** each, we supply **3 for 50 cts.** At **25 cts.** each, we supply **3 for 65 cts.**

Bedding Plants are ready about May 1st, and they should not be planted sooner. Unless otherwise noted all plants are from 2 in. pots. The approximate heights of the various border plants are indicated.

	Each	Doz.	100
ABUTILON Savitzi. Leaves variegated green and white. 12-18 in. For borders	$0.10	$1.00	$7.00
AGERATUM, Little Blue Star. Flowers intense blue. 6 to 8 in. For borders	.10	1.00	7.00
3 in. pots	.15	1.50	10.00
ALTERNANTHERA, Green or Red foliage. 4 to 6 in. For carpet bedding and edging	.10	1.00	6.00
Brilliantissima. Broad bright red foliage; dwarf and compact	.10	1.00	6.00
ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height 4-6 in	.10	.75	5.00
AMARYLLIS, Giant Hybrids. A very fine strain of seedlings. Grand variation of bright colors.			
Large Bulbs **(exp.)**	1.00	10.00	..
Small plants prepaid	.25	2.50	.....
ANTIRRHINUM, Vaughan's Select Strain. Tall. Pink, red, white, yellow or mixed	.10	.75	5.00
ASTERS, Vaughan's Giant Branching. Lavender, red, rose, pink, shell pink, purple, white or mixed. Transplanted seedlings	.05	.30	2.00
Pot grown, 2 in	.10	.60	4.00
BEGONIA, Fairy Queen. Flowers, deep pink, changing to rose; green leaves. 10 to 12 in	.10	1.00	6.00
Erfordia. Rosy pink; green and bronze foliage. Compact grower. A mass of flowers	.15	1.00	6.00
Luminosa. Bright scarlet. Red foliage	.10	1.00	6.00
CALADIUM Esculentum. (Elephant's Ear.)			
Started plants, 5 in. pots	.30	3.00	20.00
Started plants, 6 in. pots	.40	4.00	30.00
Fancy Leaved. (See House Plants, page 94.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or red foliage plants for center of beds. Tall	.10	1.00	6.00
CENTAUREA Gymnocarpa. (Dusty Miller) Grayish leaves. 8 to 12 in. For borders	.10	1.00	6.00
COLEUS, Anna Pfister. Bright yellow and crimson. 12 to 14 in	.10	1.00	6.00
Black Prince. Similar in size and shape of leaf to the Pfisters but so dark as to be almost black.	.10	1.00	6.00
Golden Bedder. Large yellow leaves. 12 to 14 in.	.10	1.00	6.00
John Pfister. Crimson, edged with gold. 12 to 14 in	.10	1.00	6.00
Verschaffeltii. Large dark crimson leaves. 12 to 14 in	.10	1.00	6.00
COSMOS, Early Flowering. Crimson, pink, white or mixed. Fine for cut-flowers	.10	1.00	6.00
Lady Lennox. Late, shell pink. Large flowers	.10	1.00	6.00
Late Giant Flowering. Crimson, pink, white or mixed	.10	1.00	6.00
DAISY, (Bellis Perennis,) English Mammoth. Pink or white	$0.10	$1.00	$5.00
DRACAENA Indivisa. Long narrow green leaves; useful for centers of vases, beds and window-boxes. 4 in. pots	.25	2.50	.....
Larger plants, **each 50 cents, 75 cents and $1.00.**			
ECHEVERIA. (Hen and Chickens) Grayish. For carpet bedding	.10	1.00	6.00
FEVERFEW, Double White. For borders	.10	1.00	6.00
Golden Feather. 4 to 6 in. For borders	.10	.75	5.00
GERANIUMS. See page 94.			
HELIOTROPE Centefleur. Dark purple	.10	1.00	6.00
Mammoth Mixed, 4 in. pots	.20	1.75	12.00
LOBELIA, Bedding Queen. Dark blue	.10	.75	5.00
MARGUERITE, Mrs. F. Sander. (New). Large pure white	.15	1.25	8.00
4-in. pots	.25	2.00	15.00
Queen Alexandra. Pure white	.15	1.25	8.00
4-in. pots	.25	2.00	15.00
MUSA Ensete. (Banana Plant)	.35	....	....
Larger Plants at **50 cents to $3.00 each.**			
PANSY, Vaughan's International Mixture. Transplanted seedlings. **Per 1000, $30.00**	...	.50	3.50
PENNISETUM Longistylum. Graceful white plumes. 12 to 18 in. For borders of Canna beds	.10	1.00	7.00
Ruppelianum. Purplish plumes. Beautiful foliage. 3 ft. For borders of Canna beds	.10	1.00	7.00
PETUNIA, Purity. Double white	.15	1.50	...
Rosy Morn. Rose with white markings	.10	1.00	6.00
Finest Double Mixed	.15	1.50	....
Single Fringed Mixed	.10	1.00	6.00
PHLOX Drummondii. Pink, scarlet, white and mixed	.10	.75	5.00
SALVIA SPLENDENS (Scarlet Sage.)			
Drooping Spikes, 2½ ft	.10	1.00	6.00
Fireball, 1½ ft	.10	1.00	6.00
Zurich, 15 to 18 in	.10	1.00	6.00
3 in. pots	.15	1.25	8.00
4 in. pots	.20	1.75	12.00
VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed	.10	.75	5.00
Beauty of Oxford. A mammoth flower of a soft pink shade	.10	1.00	6.00
Miss Ellen Willmott. Bright salmon-rose with a white eye	.10	1.00	6.00
Lemon Scented. Delightful fragrance	.15	1.50	....

GERANIUM LUCIFER

VAUGHAN'S GERANIUMS

BEDDING SORTS—Plain Leaved

Beaute Poitevine. A favorite semi-double bedder because of its beautiful shrimp pink color.
Columbia. A remarkably free blooming scarlet. Single.
Decorator. A grand semi-double light red, a strong grower and a free bloomer.
Jean Viaud. A beautiful semi-double rose pink with white eye. Large trusses.
John Doyle. A fine rich scarlet perfectly double. A profuse bloomer.
La Favorite. The best double white bedding Geranium.
Mrs. Francis Perkins. A fine double. Light pink with a white throat.
S. A. Nutt. Best of the dark crimson-scarlet bedders. Perfectly double and a remarkably free bloomer.
PRICES—2¼ in. **each 15c; doz. $1.00; 100 $7.00** (Exp). 4 in. **each 20c; doz. $1.75; per 100 $12.00** (Exp).
SPECIAL—One plant of each of the eight varieties, $1.00. postpaid.

IVY LEAVED

Beauty of Jersey. A very free flowering double pink.
Joan of Arc. The only double white Ivy Geranium.
L'Etincelant (New). Double. Glowing red, very strong-growing with fine large flower trusses which are carried well above the foliage. Extra fine for porch and window boxes. **Each 25c; doz. $2.50.**
Souv. de Chas. Turner. Rosy pink, double.
PRICE (Except where noted)—**Each 15c; doz. $1.50, postpaid. Set of four for 50c. postpaid.**

VARIEGATED LEAVED

Mme. Salleroi. The best border geranium, twelve inches high. Foliage variegated green and white. **Each 15c; 3 for 40c; doz. $1.50 postpaid.**

PANSY GERANIUM (Mrs. Layal)

A grand variety, very suitable as a house plant, of easy growth and requiring little attention.
Each 25c; 3 for 50c; doz. $1.75, postpaid.

AUCUBA JAPONICA

NEW AND CHOICE VARIETIES

AMERICAN BEAUTY. Semi-double. Similar in color to the American Beauty Rose, flowering freely the entire season. It grows compact, medium dwarf, with lustrous green foliage slightly encircled with a light brownish ring. The individual blooms measure 2¾ inches across. **Each 25c; doz. $2.50.**

ANNA GROTHE. Large single flowers. Color salmon changing to rose towards outer edge of petals. Plants robust but compact; large flower trusses held well above the foliage. Very free bloomer. **Each 35c; doz. $3.50.**

COLONEL POIRINE. Single. Orange scarlet, beautifully formed flowers and flower heads. **Each 50c; doz. $5.00.**

DAGATA. Semi-double. Deep rose suffused with white, large flowering; a strong robust grower Extra fine. **Each 35c; doz. $3.50.**

JUBELPAAR. Double. Large flowering dark rosy pink, very full and early flowering; low growing. Fine variety for pots or bedding. This variety has a great future. **Each 50c; doz. $5.00.**

LUCIFER. Double. Glowing scarlet, very free flowering and large flower heads. An ideal variety for pots or bedding; compact and low growing, extra fine. **Each 35c; doz. $3.50.**

SCHONE ULMERIN. Single. Bright rose pink with white center, free flowering. Extra fine for bedding. **Each 50c; doz. $5.00.**

SPECIAL OFFER—One strong plant of each of the above seven varieties for $2.50, prepaid.

DECORATIVE AND HOUSE PLANTS

ANANAS. Sativus Variegatus. (Variegated Pineapple.) In growth resembles the Pandanus. 3-in. pots, **each $1.50.**

ARAUCARIA. (Norfolk Island Pine.) 12 in. high, **$1.00 each.** Larger Plants, **each $1.50, $2.00, $3.00** and **$5.00 (exp).**

ASPARAGUS Plumosus, (Lace Fern.) Fine for table decoration. **15 cents each; 3 for 40 cents, postpaid.** Larger plants, **25 and 50 cents each (exp).**

Sprengeri. Suitable for hanging baskets and porch boxes. **15 cents each, postpaid.** 4 in. pot plants, **25 cents each(exp).**

ASPIDISTRA. (Iron Plant.) Green or **Variegated. $1.50 and $2.00 each (exp).**

AUCUBA Japonica Variegata. (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, **$1.00 each, 3 for $2.75;** 24 to 30 in. high, **$2.00 each, 3 for $5.50 (exp).** If wanted in tubs add **50c** to the above prices.

CALADIUMS, Fancy Leaved. Dry bulbs, 1½ to 2 inches in diameter. For window boxes, show plants or greenhouse growing they are invaluable. Rich, thrifty leaves, handsomer than Begonias; marbled, veined and striped with white, pink and dark red. Bulbs should be started into growth about April 1st, in a warm house. **Each 30c; 6 for $1.50; doz. $2.75, postpaid.**

GERANIUM L'ETINCELANT—Ivy Leaf.

CROTONS. The richest of all variegated plants, equally adapted to indoor culture or outdoor bedding. Small plants, **each 30 cents; doz. $3.00.** Larger plants, **each 50 cents; specimens, each $1.00, $1.50** and **$2.00 (exp).**

CYPERUS ALTERNIFOLIUS. (Umbrella Plant.) Excellent house or aquatic plant. 3-in. pots, **each 15 cents;** 4-in. pots, **each 25 cents.**

DIEFFENBACHIA Magnifica. Foliage shining green, beautifully variegated with pure white spots. **Each 50 cents, $1.00 and $1.50 (exp).**

DRACAENA Indivisa. Much used for vases, window-boxes and hanging baskets. 4-in. pot plants, **each 25 cents; doz. $2.50 (exp).** 5-in. pot plants, **each 50 cents; doz. $5.00 (exp).**

Lindeni, Massangeana and **Terminalis** in various sizes for conservatories. **75 cents to $2.00 each (exp).**

FERNS. Boston. Long gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. **20 cents each; 3 for 50 cents, postpaid.** Larger plants **50 cents, 75 cents, $1.25 each.** Specimens, **$3.00** to **$6.00. All by express.**

Nephrolepis Roosevelt. Similar to Boston but with undulated pinnae. **Each 20 cents; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each (exp).**

Nephrolepis Roosevelt, Jr. ("Teddy Jr.") A sport from the above, producing short but broader fronds, tapering from base to tip, which droop gently, forming a very graceful plant. Small plants, **each 50 cents.** Larger plants, **$1.00 and $1.50 (exp).**

Nephrolepis Whitmani (Ostrich Plume Fern.) Finely divided fronds resembling a plume. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each (exp).**

Adiantum Hybridum (Maiden Hair.) Each 20 cents; 3 for 50 cents, postpaid.

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. One each, 8 distinct varieties. **15 cents each, 3 for 40 cents; 10 for $1.00, postpaid.**

PANDANUS (Screw Pine) Utilis. Green leaves, red spines. **50 cents and 75 cents each(exp). Veitchii.** Variegated green and white. **$1.00, $2.00 and $3.00 each, by (exp).**

HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-yr. at **50 cents each;** 3-yr. at **$1.00 each.** Specimens in tubs, **$3.00 and $5.00 (exp).**

PALMS. We have **Kentia, Belmoreana** and **Forsteriana,** and **Phoenix Canariensis** and **Roebelenii;** fine plants at **50 cents each and up. Sizes and prices on application.**

☞ For SEA ONION, See Scilla Maritima, Page 92

BOX AND BAY TREES

FOR PORCHES, VERANDAS, ETC.

STANDARD BAY TREE

PYRAMIDAL BOX TREE

GLOBE SHAPED BOX TREE

BUSH SHAPED BOX

BAY TREES

There is nothing to approacb tbese bandsome trees for decorating porcbes piazzas or hall entrances, and tbey are largely used for stately effects in formal gardens.

The oval leaves are a dark olive green and sweet scented. Will stand only slight frost. We handle a large stock of valuable and sbapely specimen trees grown in standard and pyramidal form.

Standard or Tree Shaped

Stem.	Crown	Eacb	Pair
30 to 36 in.	24 in.	$ 9.00	$16.50
42 to 45 in.	26 in.	10.00	18.00
42 to 45 in.	28 in.	12.00	22.00
42 to 45 in.	30 in.	15.00	28.00
45 to 48 in.	34 in.	18.00	34.00
45 to 48 in.	40 in.	22.00	40.00

Dwarf Baby Standards

Stem	Crown	Eacb	Pair
24 to 30 in.	24 in.	10.00	18.00

Pyramidal Trees

Heigbt	Base	Each	Pair
5 ft.	24-26 in.	$12.00	$20.00
6 ft.	26-28 in.	14.00	26.00

BOX TREES

Sheared into compact sbape these Box Trees make beautiful specimen plants in any form and can be used for all decorative purposes like the Bays, but at less expense. The Bush plants can also be used with telling effect for window boxes. All except the bush shaped plants are in plain, green tubs.

Pyramidal Shaped

Height	Each	Pair
2½ ft.	$ 2.50	$ 4.50
3 ft.	3.25	6.00
3½ ft.	4.25	7.50
4 ft.	5.25	10.00
5½ ft.	10.00	18.00

Globe Shaped

Stem	Crown	Eacb	Pair
15 in. bigh.	15 in. diameter	$3.50	$6.50
18 in. bigb.	18 in. diameter	4.25	8.00

Bush Shaped

Height	Each	Pair	Doz.	100
10-12 in.	$0.50		$5.00	$38.00
18 in.	.85	$1.60	9.00	
24 in.	1.50	2.50		
30 in.	3.25	6.00		

SURPRISE COLLECTIONS OF CHOICE PLANTS

All orders for tbese Surprise Collections will be acknowledged and entered on our books as received. We shall commence sending out the same by **MAY 25,** except where noted, and all will be sent within two or three days from date. We cannot send them out before tbe above mentioned date.

This, then, is the object of offering tbese "Surprise" Collections regardless of value. The plants are not inferior or wortbless stock, but are often **valuable high-priced varieties.** The consumer is therefore able to get mucb for little and no spot sbould be allowed to grow wild, untilled.

Surprise "Canna" Collection

10 DIFFERENT VARIETIES OF THE NEW EVER-BLOOMING CANNAS

For 75c, prepaid

Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved, large flowering kinds.

Surprise "Dahlia" Collection

12 for 75c, prepaid

We will include in this collection 12 Dahlias selected from our grand collection of varieties. All different. Tbis collection would be cheap at double tbe price.

Surprise Collection Bedding Plants

20 bedding plants, sucb as Ageratum, Lobelia, Verbena, Begonias, Cosmos, Geraniums, Cannas, etc.

For $1.00 by express at customer's expense

Surprise "Shrub" Collection

Ready May 1st

For $1.00 we send 6 Hardy Ornamental Sbrubs, our selectiou of sorts, 2 to 3 feet high by express at customer's expense. Tbese will be first-class busbes.

Surprise Collections of Garden Roses

(See pages 104 and 107)

Surprise "Geranium" Collection

12 BEAUTIFUL GERANIUMS

For 75c, prepaid

Single and douhle from 2½ in. pots.

Surprise "Chrysanthemum" Collection

12 CHRYSANTHEMUMS
ALL DIFFERENT AND DISTINCT SORTS

Ready May 20tb

For 75c, prepaid

Tbis collection will be made up of best sorts only.

Surprise Collection Hardy Perennials

Ready May 1st

For $1.00 we will send by express, at buyer's expense, 20 **Choice Hardy Perennial plants,** all different, regular price $1.50 per dozen.

A Model Combination Bed—10 Feet in Diameter

Center.....1 Castor Bean
1st row, 36 in. Diameter, 6 Canna King Humbert.....18 in. apart
2nd row, 66 in. " 14 Pennisetum Longistylum.....15 in. apart
3rd row, 90 in. Diameter, 23 Geranium S. A. Nutt.....12 in. apart
4th row, 106 in, " 40 Geranium Mme. Salleroi.....8 in. apart

The Collection Complete in Small Size plants, $6.50; Large Size plants, $9.00. By express at buyer's expense.

We do not hesitate to recommend this bed to our customers as being very desirable not only for furnisbing a fine variety of plants which harmonize well at a very low cost, but also because it may be increased in size easily without losing its proportions and attractiveness. In fact we find that the larger sizes are better because the beauty is emphasized.

It must he borne in mind that the Castor Bean, Pennisetum, and Mme. Salleroi Geraniums are rapid growing and come to maturity sooner than the rest of the plants in the collection and nothing is to be gained by getting large plants of these. It is for this reason and no other that we do not attempt to supply plants of these larger than those from 2½-in. pots. This mustbe understood when we quote on the "Larger Size."

Larger Sized beds priced on request.

CANNAS

With their gorgeously colored scarlet, yellow and gold spikes, and brilliant tropical foliage, Cannas present a grand display from July until frost, and for large lawns, public parks, railroad grounds, etc., they are indispensable, and in ever-increasing demand.

The study and culture of the Canna has been one of the chief features of our business for the past twenty years or more, and today we are proud of having one of the largest and best collections extant, the ten acres at Western Springs which we allot to them annually being a wonderful sight during August and September, and the admiration of all visitors. Besides the standard sorts here mentioned we grow many seedlings, chiefly of the Crozy type, discarding old varieties as they are replaced by new and improved sorts, notable among which are "King Humbert," our "New Giant White," and last, but not least, "Firebird," the finest scarlet Canna of the present time. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, we have won grand medals for our exhibits of these plants.

Prices for 3 of a kind and dozen lots from 2½ inch pots include postage.

Larger sizes by express at purchaser's expense.

Culture.—Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure, by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

FIREBIRD

The best red-flowered green-leaved Canna

This is by all means the very best red-flowered, green-leaved Canna today. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across, and the color is a clear glistening scarlet without any streaks, spots or blotches.

We have seen and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. Visitors at our greenhouses last summer will remember it as Seedling III.

Order early!

Strong plants, ready May 1st. **Each $1.25; 3 for $3.50; doz. $12.00**

VAUGHAN'S INVINCIBLE THREE

VAUGHAN'S GIANT WHITE

The flowers of this new Canna, of which we hold the entire originator's stock, is of the purest ivory white. The spikes and flowers are of immense size, the petals measuring 2½ inches in diameter. The flowers do not burn in the hottest sun. The foliage is strong, vigorous and of a bright dark green.

Price each, $1.00; 3 for $2.50; doz. $10.00.

KING HUMBERT

King of the Bronzed-Leaved Cannas

Giant Flowered. Orange Scarlet. Bronze Leaf.

This remarkable "Gold Medal" Canna has been the sensation of the past six years. It is a cross between the Orchid flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad leathery foliage with a strong, noble habit.

It is so distinctively in advance of any other Canna that the demand for and use of it has become universal. We have taken the highest awards with it wherever shown in competition. It received a gold medal at St. Louis, being the central figure in our "Grand Prize Exhibit." Be sure to order this one.

	Each	3 for	Doz.	100
2½ in. pots	$0 15	$0 40	$1 25	$ 8 00
3 in. pots	20	50	1 50	10 00
4 in. pots	25	65	2 50	18 00
5 in. pots	40	1 10	4 00	25 00

☞SPECIAL OFFER, No. 96—The above set of three, one of each, for $2.25, post paid.

VAUGHAN'S COLLECTION OF CHOICE CANNAS.

Adolph Grimminger. 4½ ft. Foliage broad dark green. Flowers of enormous size, brilliant light carmine. A very effective color. The flower heads are loose and of immense size. **Each 35c; 3 for 85c; doz. $3.25.**

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings whatever, carried in large erect spikes well above the leaves. A valuable addition to any collection. **Each 75c.**

Altitude. 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance. **Each 75c.**

Charles Lutz. 4½ ft. A magnificent new sort, foliage large, vigorous and healthy green. Flowers very large yellow, might describe this as a green-leaved, yellow-flowering King Humbert, because it has the same massive foliage and immense flowers. **Each 35c; 3 for 85c; doz. $3.25.**

Garam. 3½ ft. Foliage green, of magnificent growth, trusses very large, flowers of magnificent build, fiery carmine, cinnabar red. **Each 35c; 3 for 85c; doz. $3.25.**

Gladioflora. 3½ ft. Green foliage. Crimson changing to carmine rose, edged with gold. Petals are rounded and white, overlapping each other. **Each 35c; 3 for 85c; doz. $3.25.**

Gustave Gompper. 3½ to 4 ft. Flowers of great size and substance, in color a fine golden yellow, the lower petals being slightly splashed with red. A good sturdy plant, with stiff erect stems and large flower spikes. **Each 50c.**

Halley's Comet. 3 to 4 ft. Green foliage. Blazing scarlet, pure yellow in the throat with a narrow thread of gold around each petal's wavy edge. **Each 25c; 3 for 65c; doz. $2.50.**

Hungaria. 3½ ft. Very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. **Each 35c; 3 for 85c; doz. $3.25.**

John Farquhar. 4 ft. Foliage bright metallic brown red of particular beauty. Flowers salmon red, streaked orange. The flowers which are borne well above the foliage form a beautiful contrast over the magnificent leaves. **Each 35c; 3 for 85c; doz. $3.25.**

Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection. **Each 25c; 3 for 65c; doz. $2.50.**

Matador. 4½ ft. A grand introduction. Flowers are of the largest size, the petals being very broad and beautifully rounded. The color is rich scarlet, marbled cerise, very striking and distinct; an abundant bloomer. **Each $1.00.**

Mrs. Alfred Conard. 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads which are borne well above the foliage. **Each 50c; 3 for $1.25; doz. $4.50.**

Oriental. 4 ft. Foliage light green. This is a grand variety in its color, and when massed is very effective. Flowers are golden yellow, tigred with nasturtium red, forming immense spikes, the individual flowers being large and well shaped. **Each $1.00.**

Queen of Yellows (Konigen der Gelben). 4½ ft. An excellent pure golden yellow. Flowers are large with thick rounded petals, forming immense full trusses. A vigorous plant and abundant bloomer. **Each 75c.**

Stuttgartia. 4½ ft. Broad leaves, dark green, of majestic growth, flowers glowing orange-scarlet with canary-yellow band and peculiarly marked and mottled. The mammoth flowers are borne on strong stems and are carried erect above the foliage. The variety has the size of Orchid-flowering Cannas, as well as the richness of the Crozy types. **Each 35c; 3 for 85c; doz. $3.25.**

☞SPECIAL OFFER, No. 96A—The above set of 16 Choice Cannas, strong plants, for $6.00, by express

A CHARMING FLOWER BED, CANNA "KING HUMBERT" THE LEADING FEATURE

VAUGHAN'S BEDDING CANNAS

PRICES—except where noted are as follows :

	Each	3 for	Doz.	100
2½ in. pot plants, postpaid	**$0.15**	**$0.35**	**$1.25**	**$ 8.00**
3 in. pot plants, by express	**.20**	**.50**	**1.50**	**10.00**
4 in. pot plants, by express; this size will be ready May 15, and will commence to bloom in a short while	**.25**	**.65**	**2.50**	**18.00**

ORCHID FLOWERING VARIETIES

Allemania. 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.
Burbank. 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a rich canary-yellow.
Frederic Benary. 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are currant red with orange throat and yellow edge.
Louisiana. 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
Mrs. Carl Kelsey, 6 to 7 ft. Green foliage, orchid-flowering with narrow edge of purple. Orange scarlet, flaked and striped with golden yellow petals which have a wavy edge. **Each 20c; 3 for 50c; doz. $2.00.**
New York. 5 ft. Dark bronze foliage, with the Orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.
Wyoming. Bronze foliage. Flowers a beautiful shade of orange.

CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

Beaute Poitevine. 3½ ft. Large crimson flowers of a beautiful shade, much admired.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Comte de Sachs. 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large.
Feuermeer. 5 ft. Deep green foliage. Very free and robust grower, throwing up many strong flower spikes. Early. Blooms large and of a clear crimson scarlet without markings.
2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00; 100, $15.00.**
Milwaukee. 3½-4 ft. Flower rich deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.
New Chicago. 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower. **Each 20c; 3 for 50c; doz., $2.00.**
Prince Wied. 3 ft. Foliage dark green, flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best dwarf red Cannas.
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

PINK WITH GREEN FOLIAGE

Betsy Ross. 3½ ft. Compact busby habit. The flowers are large and of a beautiful soft pink.
Venus. 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow.
Wawa. Pure soft pink. A very free bloomer. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00.**

BRONZE-LEAVED VARIETIES

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
Discolor. 6-8 ft. Used for foliage effect, musa-like foliage.
Egandale. 4 ft. Bronze foliage. Considered by experts the best in this class. Strong, compact flower spikes. Color currant red.
Graf. Waldersee. 4 ft. Large flowers of orange scarlet. Fine show. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00; 100, $15.00.**
Leonard Vaughan. 4¼ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.
Wm. Saunders. 3½ ft. Rich bronze foliage. Flowers a deep rich, shining scarlet. 2½ in. pot plants, **each 20c., 3 for 50c.; doz. $2.00; 100, $15.00.**

GILT EDGE VARIETIES

All have Green Foliage and Scarlet Flowers with Yellow Edges.
Long Branch. 5 ft. The flowers resemble a giant flowering Queen Charlotte in the orchid-flowering class, being bright crimson with wide, irregular border of yellow which stands the sun equally as well as King Humbert.
Mad. Crozy. 3½ ft. Vermillion with gold border. The sort which popularized the Canna.
Multiflora. Very bright vermillion with a narrow golden yellow border. Extra free bloomer, carrying three and four perfect flower spikes at one time.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

YELLOW SHADES GREEN FOLIAGE

Buttercup. 3½ ft. A true bright buttercup yellow, large.
Dwarf Florence Vaughan. Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted with bright red.
Florence Vaughan. 5 ft. The most famous of all Cannas. It still remains the best type of new Cannas. The flowers are rich golden yellow, thickly dotted with bright golden red.

WHITE SHADES GREEN FOLIAGE

Improved Mont Blanc. Large pure white. The plant is very robust and carries its flower well above the foliage. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00; 100, $15.00.**

VAUGHAN'S "MODEL" CANNA BEDS

Four Stirling Designs Complete, with Prices.

Note that we offer the plants in two sizes.
Small size, from 2½ in. pots. **Larger size,** from 4 in. pots, ready to bloom.
Planting. Place a stake in the center of the bed and with a radius of 18 in. mark the first row of Cannas. Set the plants 18 in. apart in the row. Increase the radius by 18 in. for each successive row. Plants other than Cannas require different distances.

CANNA BED No. 1

Round, 7 ft. across. 1 Florence Vaughan (for center); **6 Egandale,** bronze (middle row); **12 Mad. Crozy** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid.
The 19 plants, small size	**$1.75**	**$2.00**
The 19 plants, large size, ready to bloom	**3.00**	**3.50**

CANNA BED No. 2

Round, 7 ft. across. 1 David Harum, bronze (for center); **6 Dwarf Florence Vaughan** (middle row); **18 Salvia Zurich** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid.
The 7 Cannas and 18 Salvias, small size	**$2.25**	**$2.50**
The 25 plants, large size	**3.75**	**4.00**

CANNA BED No. 3

Round, 10 ft. across. 19 King Humbert (for center and two rows); **36 Pennisetum Longistylum** (outside row), from 2 in. pots. **This bed complete** (the Cannas from 3 in. pots), **$5.00, by express.**

CANNA BED No. 4

Round, 10 ft. across. 19 King Humbert (for center and two rows); **21 Caladium Esculentum** (outside row, 15 in. apart), from 5 in. pots. **Complete** (the Cannas from 3 in. pots) **$7.00, by express.**
Diagram showing how to plant will be sent with each shipment of Canna beds.

We recommend the following as most desirable for beds of solid colors. For round Canna beds 7 ft. in diameter, 19 plants; 10 ft. 37 plants; 13 ft. 61 plants.

Beaute Poitevine		
Buttercup	**Souv. de A. Crozy**	**Florence Vaughan**
David Harum	**Betsy Ross**	**Mad. Crozy**
Egandale	**Comte de Sachs**	**The Express**
King Humbert	**Dwarf Florence Vaughan**	
Milwaukee		

Canna Fire Bird is the most notable novelty in its class. It attracted Much Attention at the Minneapolis Convention of the American Florists in August, 1913.

LARGE-FLOWERING CHRYSANTHEMUM

HARDY CHRYSANTHEMUM

HARDY POMPON CHRYSANTHEMUM

CHRYSANTHEMUMS

VAUGHAN'S NOVELTY SET FOR 1914

Price each 30c, any 3 for 80c, set of 6 for $1.50 postpaid.

Golden Robin. A bright golden yellow reflexed variety, easy grower with fine foliage and strong stem. Best flowers can be had from buds taken about August 25th.

Mrs. Gilbert Drabble. Pure white, conforming in every way to the American ideal. The stem is perfectly rigid with foliage right up to the flower, which is of the very largest size with petals arranged in a whorl. The crown bud taken from August 5th on produces a grand flower.

Nakota. A very large Japanese incurved. Color orange buff. From buds selected last of August the petals assume a whorled form. Owing to the large size it will be a rival at coming shows in the deep yellow classes. Best bud August 30th.

Pink Gem. Pleasing shade of pink, incurved flowers about 6 inches in diameter, perfect form, ideal stem and foliage and wonderful substance, placing this variety in the front rank of the commercial sorts. Height, 4 ft.

Ramapo. American seedling of Col. Appleton, which will take the place of that variety. It has all the good points of Appleton, the same color, splendid stem, foliage right up to the flower, and never shows a top-knot as does Appleton. We strongly recommend this variety as a first-class yellow.

Ursula Griswald. Color a soft creamy white with long narrow petals. A good grower and a grand variety for exhibition purpose. Second crown bud taken about August 20th will give best flowers.

EXHIBITION VARIETIES

Price each 20c, any 3 for 50c, the set of 6 for 85c postpaid.

Chrysolora. The best yellow for early October. Fine incurved form with perfect stem and foliage up to the flower.

Nontero. Commercial white of exceptional merit, loosely incurved, perfect stem and foliage, maturing November 1st when good whites are scarce. Height, 4 ft. Best buds September 5th; blooms from late buds have a slight tinge of pink in the center.

Roman Gold. From September buds; a Japanese incurved and deeper yellow than Golden Wedding or Golden Age. Stem and foliage excellent; 4 ft.; in perfection November 1st.

Smith's Sensation. Its delicate shade of cameo pink is greatly enhanced under artificial light; it is closely incurved and of the largest size. August 30th buds give largest blooms, coming November 1st; just right for exhibition.

White Perfection. Purest white, high rounded incurved and double under all conditions. Fine stem and foliage and easy to grow. Finest flowers can be had by taking bud September 5th to 10th.

Wm. Mease. Bright rosy red strong grower and fine large foliage. One of the largest in size.

CHRYSANTHEMUM SET FOR POT CULTURE

The following list is a selection from over 100 sorts, and embraces the best sorts for pot culture. All early flowering sorts and large handsome flowers.

Price—each 15c, any 3 for 40c, set of 12 $1.25 postpaid.

August Dasse. A golden yellow, good sized flowers, strong, stiff stem with fine foliage, making it a first-rate variety for pots.

December Gem. A ball-shaped Japanese white, with pink stripe on edge of petals, giving a pink or pearly tint to the blooms. Strong stem with ample foliage.

Garza. (Anemone flowered.) Purest white with yellow center medium size ray petals.

Marion Newell. Color almost a true pink, of extra size. Reflexed variety.

May Foster. One of the most popular white varieties. Fine large, pure ivory.

Miss G. Pitcher. Light shade of yellow with wide incurved petals.

Mrs. F. Beu. Striped red and yellow of medium size. Strong grower.

Mrs. Wm. Duckham. Beautiful golden yellow of immense size.

Mutual Friend. Pure white, a large reflexed flower of great depth.

Old Gold. Orange yellow of immense size and good form.

The Bard. Medium sized flower of a deep crimson.

W. H. Lincoln. Bright yellow. A well known variety and one of the best for pot culture.

NEW SINGLE VARIETIES

Price each 35c, set of 3 for 90c postpaid.

Ceddie Mason. A crimson scarlet with golden center.

Mrs. Wm. Buckingham. Very large, lovely shade of intense rose, Strong grower with fine foliage.

Mensa. A double row of pure white broad petals with yellow center like a large daisy.

SINGLE CHRYSANTHEMUMS—General List

This class has become very popular and deservedly so, as they are most beautiful either for cut flower or specimen plants.

Price, except where noted, each 15c, any 3 for 40c, set of 8 for 75c postpaid

Buttercup. Deep yellow flowers in great number. Fine for pot plants.

Cosmos. Beautiful lavender pink. Large flowers. Very fine.

Early Bird. Flowers orange yellow, large, very early, makes a good pot plant.

Lady Lu. Purest white, best for all purposes. Resembles a large Shasta Daisy.

Minnesota. A very striking blood red. 2½ in. across, long slender stem.

Pink Beauty. Flowers clear pink two rows of petals, fine for sprays. **Each 20c, 3 for 50c.**

Snowbird. Pure ivory white flowers of medium size with two rows of petals.

Sweetness. Clear yellow. In this we have a sweet scented Chrysanthemum.

CAPRICE DU PRINTEMPS TYPE

Originated in France. A new early flowering strain and ideal for pot culture Can be planted out in the open ground in May if desired and potted the first part of September, and make beautiful specimens.

Price each 30c, any 3 for 80c, doz. $3.00, set of 8 for $2.00 postpaid.

Butler's Caprice. Flowers of a deep pink, compact grower, with fine large foliage.

Crimson Quintus. Bright crimson, flat flowers with center petals slightly whorled. Fine showy variety.

Lizzie Adcock. A deep yellow sport of Source d'Or, medium sized flowers.

Mrs. Greening. Flowers pink, with lighter shade in center; fine large foliage and strong stem.

Purple Cap. Purple without any markings. Dwarf compact grower.

Source d'Or. Bright orange shaded gold; medium sized flowers.

Yellow Cap. Bright clear yellow, ball-shaped flowers when developed.

Yellow Triumphant. Light lemon yellow with salmon shading on upper side of petals.

HARDY POMPON CHRYSANTHEMUMS

These small-flowered or button Chrysanthemums are especially desirable for planting in the garden. They are perfectly hardy, requiring only a slight protection throughout the winter. The colors are varied, ranging through white, pink, yellow and many reds. In the dull days of November when practically every other flower in the garden has succumbed to the frost, these little Chrysanthemums hold full sway with their wealth of blossoms.

EARLY-FLOWERING POMPONS

The following list embraces varieties that have been thoroughly tested and found suitable in places where frost comes about October 15th and later.

Price each 15c, any 3 for 40c, set of 9 for $1.00 postpaid.

Charlotte. Deep bronze.

Chiver. Large pink.

Emo. A small flower of bright yellow color.

Fairy Queen. A bright pink, large flowering. One of the handsomest of the early Pompons.

La Purity. A beautiful pure white.

Miss Seeley. Pure white, one of the best early varieties.

Panama. Deep red, medium size.

Uneda. Pure yellow.

Zoda. Soft delicate pink.

MID-SEASON AND LATE POMPONS

The following varieties are suitable in places where there is little or no frost, or to grow as pot plants and for sprays.

Price each 15c, any 3 for 40c, set of 12 for $1.25 postpaid.

Aileen. Clear rose pink.

Baby Margaret. Small pure white.

Diana. Pure white, extra fine.

Julia Lagravere. Deep red, best of its color.

Helen Newberry. A late white, just as good as the popular variety Diana, which it follows, for Thanksgiving and up to Christmas.

Klondike. Brilliant yellow, compact bloom.

Magnificus. Pure white, large size.

Minta. Light pink, the shade of Enchantress Carnation.

Prince of Wales. One of the best whites.

Princeton. Brick-red flowers of splendid form, sturdy grower.

Quinola. Clear orange yellow.

Triomphe d'Or. Golden yellow.

CHRYSANTHEMUMS—Continued.

HARDY OUTDOOR CHRYSANTHEMUMS

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil, and to those who desire a bright garden in the fall we can highly recommend them.

NEW VARIETIES

Price each 25c, any 3 for 60c, set of 8 for $1.50.

Alise. Flowers purest white. Very free bloomer. A dwarf compact grower, can be used as a pot plant, as well as for outdoor planting.

Bijou Rose. A beautiful rose color, free flowering and dwarf growing.

Gascogne. Sulphur yellow; very free bloomer of medium height.

Marie Masse. Deep pink; free and early flowering, strong dwarf compact grower. Fine for pot culture and outdoor planting.

Normandie. A light pink of striking effect; free flowering and strong grower.

Pluie d'Argent. An ideal variety of the highest type. The flowers are a beautiful white, producing large fine shaped flowers that cover the plant almost completely. Very free bloomer and dwarf grower.

Sport of Masse. A yellow sport of Marie Masse of which it is a duplicate in all respects save color.

Tapis d'Or (Carpet of Gold). Golden yellow; free blooming and early flowering. Dwarf grower, making a fine variety for pot culture or outdoor planting.

HARDY OUTDOOR CHRYSANTHEMUMS

CHOICE VARIETIES

Be sure to secure this collection.

Price each 15c, any 3 for 40c, set of 10 for $1.00 postpaid.

Carrie. 4 in. flowers of a deep golden yellow, blooming from August to October.

Goacher. Crimson and gold, of fine size, blooming in August and September.

G. Grunerwald. A very fine variety of the Japanese section. The flowers average 5 in., color light pink.

Glory of Seven Oaks. Flowers of the brightest golden yellow, double and of large size, borne on strong upright stems.

Golden Glow. A very early Japanese incurved, producing fine blooms. 5½ in. in diameter. Color bright yellow. Fine foliage and stem. Very easy grower.

Harrie. Bronzy orange on golden ground, compact grower.

Horace Martin. Golden yellow, large and free flowering. Blooms early in October.

Pink Harbinger. A deep rose pink, very large and free bloomer.

Smith's Advance. Pure white when fully expanded. This is the earliest large white variety.

Carpet of Snow. Double pure white star-shaped flowers, produced in great abundance. Very early and hardy.

Dry Roots ready at any time

VAUGHAN'S DAHLIAS

Young Plants ready in May

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

The supply of roots is limited on account of the continued dry weather the past summer, and the roots are also rather small, due to the same cause. Varieties of which we can supply roots (while the stock lasts) are followed by an R, and customers will please designate on their orders if they prefer roots.

Contrary to popular opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Dry roots may be had any time, as long as the stock lasts; plants from 2½ in. pots can be supplied **not earlier than May.**

All except the special offers of large field clumps of unnamed and mixed Dahlias, are sent prepaid to any post or express office in the U. S.

Full cultural directions accompany every order.

Please state if you want a substitute in case our supply of any variety is exhausted.

CACTUS DAHLIAS

The cactus forms of Dahlias are exceedingly beautiful, and are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types. The advances made in these in recent years is very noticeable, some charming blends of color being introduced, together with a form of flower which is a great improvement on the old varieties. To produce the finest flowers most of the side shoots or laterals should be pinched out when the plants get strong, leaving the terminal buds, which then make fine flowers.

CHOICE AND RARE SORTS

Price, except where noted, Green Plants, **each 25c, 3 for 65c, doz. $2.50.**

Aurora. An attractive soft pink, slightly tipped white, brilliant golden in the heart. One of the best Dahlias for exhibition, being colossal in size, elegant in form, most perfect in type and of the most exquisite coloring.

Countess of Lonsdale (R.) A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best. **Each, 20c; doz., $2.00.**

Dainty. The ground color is lemon yellow, which shades lighter as the season advances, at which time the color approaches canary yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petals are golden and the flowers are produced on long, stout stems.

Gunther (R.) Pure white, splendid form, flowers on long stems well above the foliage, a free bloomer and a good keeper. **Each, 30c; doz., $3.00.**

Master Carl. Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest in our collection.

Manzanita. Flowers very large and double, borne well above the leaves. Color velvety deep scarlet. An early and free bloomer.

Mrs. Geo. Stevenson (R.) Bright yellow. Large blooms with long and narrow petals. Flowers borne on long, wiry stems well above the foliage. Very free blooming. **Each, 20c; doz., $2.00.**

PARSIFAL

One of the very best White Cactus Dahlias

Parsifal (R.) One of the earliest and freest flowering of the white cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage. **Each, 35c; doz., $3.50.**

Pearlhilde (R.) Center nearly white changing to a soft blush pink. A sport of the well known Kriemhilde and one of the best for cut-flowers. **Each, 20c; doz., $2.00.**

Princess Juliana. A fine white, large and of splendid form. Early and free flowering. Strong stems. Fine for cutting. **Each 50c.**

Spotless Queen (R.) Purest white. An excellent variety for cut-flower purposes.

The Pilot. A beautiful combination of colors. The extremities of the florets are bright terra-cotta, passing to deep yellow at the base. The blooms are borne erectly upon stout stalks, well above the foliage.

Vater Rhein. A large and beautiful flower borne on long stiff stems. The salmon in the center shades to a pleasing rose at the tips. **Each, 50c.**

Wolfgang von Goethe. A most charming sort, with large, perfect flowers of a rich velvety apricot color. **Each, 35c; doz., $3.50.**

Special Offer No. 99. One each of the above 14 Cactus Dahlias, green plants for **$3.50 postpaid.**

DAHLIAS—Continued

STANDARD CACTUS SORTS

Price, except where noted, Green Plants, each 15c, any 3 for 40c, doz. $1.50.

Effective. Chamois rose with yellow shadings, deeper in the center. A large, perfectly formed, intensely double globular flower with finely pointed petals, and borne freely on long, strong stems. Very distinct. A charming variety for cutting.

Fairy. Pure white. Very narrow florets, beautiful in form and one of the most refined in this color.

Flora (R.) An ideal white with large heavy flowers on stout stiff stems. A valuable cutting variety.

Frau Hermine Marx (R.) A beautiful pink, splendid for cut flowers. Very similar in color to the La France rose and a good bloomer. **Each, 20c; doz., $2.00.**

Holsatia (R.) Orange scarlet. One of the freest flowering Cactus Dahlias and perfect in form. Flowers are borne on long, stiff stems.

Lawine (R.) A pure white of good form, very free and early flowering. **Each, 20c; doz. $2.00.**

Pink Pearl. Mellow pink at the base of the petals, shading off gradually to white at the tips, the effect being a soft, rosy pink. Fine for cutting.

Rother. A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit.

Strahlenkrone. Intense cardinal red, rich and glowing, with long twisted petals. A very early and profuse bloomer.

Uncle Tom. A deep velvety maroon, almost black.

Volker (R.) Clearest canary yellow; large, exquisite Cactus form. An early and extremely profuse bloomer, the plants being literally covered the entire season.

Winsome. Undoubtedly the finest white Cactus to date. Flowers are very large and beautiful, with twisted, incurved petals and are borne on long, erect stems, holding the flower up in marked contrast to other white Cactus Dahlias.

SPECIAL OFFER No. 100.—One each of the 12 Standard Cactus Dahlias, green plants, for **$1.50 postpaid.**

DECORATIVE DAHLIAS

Decorative Dahlias are known by their large flowers and flat petals being intermediate between the Cactus and Show types. Among these varieties will be found those mostly used for cut-flowers since they are those having the greatest substance and are the best shippers. Those we include are the result of careful selection.

CHOICE AND RARE KINDS

Price, except where noted, green plants, each 20c, 3 for 50c, doz. $2.00.

Coronna. A pure white, usually from 2½ to 3 inches in diameter, of most perfect form and remarkably free flowering.

Jack Rose (R.) A rich velvety crimson like that of the Jacqueminot Rose from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 in. across.

Kaiserin Augusta Victoria. Pure white flowers borne in great profusion on erect, stout stems, fully 18 in. long, all above foliage. The immense, perfect flowers can be kept in flower until Thanksgiving. One of the most valuable Dahlias, growing about 30 in. high and not requiring support of any kind. **Each 25c, doz. $2.50.**

La France (R.) A deep rose, heavily marked white, in form more like a full-blown Peony. The flowers appear on stiff, long stems and are excellent for cutting. **Each 25c, doz. $2.50.**

Majestic. 4 to 5 ft.; decorative, light scarlet, salvia color; whole plant, covered with bloom; the great flowering dahlia. **Each 35c, 3 for $1.00.**

Miss Minnie McCulloch. This is a splendid variety, the color is a soft yellow overlaid with bronze; very handsome under artificial light. The stems are strong. It is a good keeper and makes a good cut-flower.

Mrs. Chas. Turner (R.) Pure yellow. A strong grower and profuse bloomer of immense size.

Mrs. P. Wyndham. Apricot shaded to salmon in center. Very free and early with wide flat petals. The flowers are large and flat.

Perle de Lyon. This is the best white decorative dahlia to date. The flower is perfect in form, pure in color, very free flowering and produced on fine long stems. As a cut flower variety it is a decided acquisition.

Woodrow Wilson. Flowers bright red of splendid form, good stem; flowers held well above the foliage; very free flowering and most desirable for cut-flowers.

SPECIAL OFFER No. 100A. One each of the above 10 Decorative Dahlias, green plants, for **$2.00 postpaid.**

DELICE, DECORATIVE DAHLIA
The best Pink Dahlia

GIANT FLOWERING DAHLIAS

Price, except where noted, green plants, each 20c, 3 for 50c, doz. $2.00.

David Harum (R.) Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 in. across. Thick, wide petals, full to the center. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming and early. We consider this one of our finest decorative Dahlias.

Delice (R.) The finest pink decorative dahlia. Its beautiful soft, yet lively color, a glowing rose pink, borne on long stiff stems, holding its flowers well above the foliage, makes this one of the most decorative sorts in the garden. It is also very valuable as a cut flower as it retains its freshness longer than most varieties. **Each 30c, 3 for 80c.**

Grand Duke Alexis (R.) Pure white shading to a most delicate and charming shell pink. This grand Show Dahlia is one of the finest of that type. Flowers are mammoth in size, beautifully quilled and double. Very free and early. **Each 25c, 3 for 65c.**

Henry Patrick (R.) A pure waxy white. It blooms very freely, producing flowers from 5 to 7 in. in diameter.

Jeanne Charmet. Bright pink with crimson edges. Flower 7 to 8 in. in diameter, with long, wide loosely formed petals. Center covered with short petals. Flowers borne on fine long stems. Early and extra fine. **Each 25c, 3 for 65c.**

Mad. Van den Dael. A soft rose with deeper markings, shading to creamy white in center. A splendid variety for cutting.

Souv. de Gustave Doazon (R.) A pleasing shade of orange red. The flower measures 6 in. in diameter, and has large, wide, thick petals of great substance. Very free bloomer. Strong and robust, growing 5 ft. high.

Virginia Maule. A most delicate blush or shell pink. A great improvement over Mrs. Roosevelt. The World's Best shell pink. The immense flowers are borne with stately grace on long, erect stems. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely. **Each 25c, 3 for 65c.**

SPECIAL OFFER No. 100B. One each of the Giant Flowering Dahlias, green plants, for **$1.50 postpaid.**

STANDARD KINDS

Price, Green Plants, each 15c, 3 for 40c, doz. $1.50.

Bonnard's Yellow (R.) Deep yellow. Extra large flowering.

Clifford W. Bruton (R.) Bright golden yellow. Very large and early flowering.

Crimson Giant (R.) Deep crimson flowers of immense size.

Katherine Duer. The most beautiful glowing scarlet without markings. The flowers are of immense size, 7 in. across, opening out flat and showing no center, with wide and rounded petals. The plant is a strong grower.

Lyndhurst (R.) A rich and brilliant cardinal red. Fine for cut flowers.

Maid of Kent. Intense scarlet variegated with pure white, frequently a solid scarlet.

Pres. F. Faure (R.) A deep purplish crimson with broad thick petals.

Queen of Yellows. A beautiful clear yellow.

Sylvia (R.) White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center making it a great shipper. The plant is a strong and healthy grower.

Wm. Agnew. The richest shade of intense, dazzling red. Flowers are large, measuring more than 5 in. in diameter.

SPECIAL OFFER No. 100C. One each of the 10 standard kinds, green plants **for $1.25 postpaid.**

SHOW DAHLIA

PEONY-FLOWERED DAHLIA

SINGLE DAHLIA

SHOW AND FANCY DAHLIAS

Price except where noted, Green Plants, each 15c, 3 for 40c, doz. $1.50.

Show Dahlias are usually of solid color but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

A. D. Livoni. (R.) A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.

Black Diamond. (R.) A rich velvety maroon shaded jet black. An early and free bloomer with immense flowers, full and regular in form. The plant is a strong vigorous grower with a dark, glossy foliage.

Bon Ton. (R.) A deep rich garnet red. A fine ball-shaped flower.

Ethel Schmidt. Pure white, flushed delicate pink, dotted and streaked crimson. A cross of Storm King and Lottie Eckford that will soon be the standard of this type, on account of its early and profuse blooming, together with its long, graceful stems.

Frank Goodman. Rich purple, tipped white, distinct.

John Walker. (R.) Pure white. Flowers are full and beautiful.

Kaiser Wilhelm. Deep yellow, lightly tipped cherry red. Quilled petals on flowers of large size and fine form. **Each 20c, 3 for 50c.**

Miss May Lomas. A delicate white, suffused and tipped light lavender. Flowers are of good size borne on erect, stout stems. A very free bloomer and a fine cut flower variety.

Mrs. Dexter. Reddish apricot, very large and full flowers.

Red Head. (R.) Deep red, large flowers, of dwarf, free blooming habit.

Storm King. Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. One of the finest for cut flowers. **Each 20c, 3 for 50c.**

Yellow Duke. Pure canary yellow, large size, flowers on good stiff stems. **Each 20c, 3 for 50c.**

SPECIAL OFFER No. 101. One each of the 12 Show and Fancy Dahlias, green plants, for **$1.60 postpaid.**

PEONY-FLOWERED DAHLIAS

Price except where noted, Green Plants, each 25c, 3 for 65c, doz. $2.50, prepaid.

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd. The varieties offered are the best we have been able to secure.

Germania. Brilliant carmine, four rows of petals, compact growth.

Glory of Groenekan. Orange yellow, extra large flower.

La Riante. Deep pink flowers on long, strong stems. An excellent variety **Each 35c.**

Paul Kruger. White and red flowers on very long stems.

Queen Emma. (R.) A charming shade of Hollyhock pink, the inner petals margined with gold. A very large and magnificent sort. **Each 20c, 3 for 50c.**

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free flowering and the flowers are produced on good stems, making a fine variety for garden decoration. **Each 20c, 3 for 50c.**

SPECIAL OFFER No. 101A. One each of the 6 Peony-flowered Dahlias, green plants, for **$1.20 postpaid.**

POMPON DAHLIAS

Price Green Plants, each 15c, 3 for 40c, doz. $1.50.

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

Anna Londorff Yellow, streaked and blotched carmine.

Crown Point Bright scarlet. A free bloomer, very dwarf and compact plant.

Elegante Bright pink flowers of perfect form with beautiful quilled petals.

La Petite Barbara The best white Pompon. Free flowering.

Little Herman Deep red, tipped white.

SPECIAL OFFER No. 101 B One each of the 6 Pompon Dahlias, green plants for **60c, postpaid.**

SINGLE DAHLIAS

Price, except where noted, Green Plants each 15c, 3 for 40c, doz. $1.50.

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Black Bird Intense velvety maroon, almost black, red spots at base. Large.

Gold Standard Pure yellow flowers borne on long, graceful stems of finest form and texture and of largest size.

Merry Widow (Lustige Wittwe.) Deep scarlet flowers of gigantic size on stems 15 in. long and measuring 4 to 5 in. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers. **Each 25c; 3 for 65c**

Praxiteles Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant. **Each 20c; 3 for 50c**

Pres. Viger. Rich claret, shaded lighter at the edges with pure white collar, occasionally rose tinted. Striking and distinct.

Rebecca Mayhew. Large snow-white, exquisite in form, early and an extremely profuse bloomer, being the world's best large white for commercial cut-flowers, or specimen plants.

Wildfire. The most brilliant fiery scarlet on our list. Flowers very large.

SPECIAL OFFER No. 101 C One each of these 7 Single Dahlias, green plants for **$1.00, postpaid.**

"NEW CENTURY" SINGLE DAHLIAS

Price, Green Plants, each 20c, 3 for 50c; doz., $2.00.

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers 4½ to 6 in. across, on stems 3 ft. long, and when cut keep in good condition for many days.

Maroon Century. A beautiful, rich maroon, with a large yellow center. Erect and free flowering.

Pink Century (R) Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

Twentieth Century (R) Intense rosy crimson with white tips and white disc around the yellow center. As the season advances the dark colored zone becomes lighter and the color contrast is exquisite. Flowers very large, 5 to 6 in. in diameter.

White Century. A beautiful snow-white of immense size, 6 to 7 in. in diameter, making a fine show.

SPECIAL OFFER No. 101 D One each of the 6 "New Century" Dahlias, green plants for **85c postpaid.**

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow or red, good sorts, **each 25c, 3 for 65c; doz. $2.50, by express at buyer's expense.**

Mixed Double Dahlias. Undivided field clumps, **each 15c, 3 for 40c, doz. $1.50, by express at buyer's expense.**

Mixed Single and Double Dahlias. Undivided field roots, **each 15c, 3 for 40c, doz. $1.50, by express at buyer's expense.**

ROSES

WE again take pleasure in submitting our revised list of roses, new varieties of approved merit having been added, and some of the older ones discarded.

We grow roses for stock purposes only, not for a cut flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are *wintered* in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced hands, and we guarantee safe arrival at destination. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled **than from cities less centrally located.**

Ask for our pamphlet, **"How to be Successful With Roses."**

LONG PRAIRIE, MINN.—"You have always furnished the finest roses for the price, that I have had from any grower in the country." J. D. JONES.

The prices quoted on this page for 2½ inch pot plants and under include postage.

Larger sizes out of 3, 3½ and 4 inch pots, and dormant plants will be sent by express (exp.).

If your order is wanted by mail add 5c for postage on each rose.

MADAME JULES GOUCHAULT

MILADY

SUNBURST

NOVELTIES FOR 1914

Madame Jules Gouchault (Dwarf Polyanthus). A superb variety with wood and foliage clear green. Blooms in large erect panicles of from 25 to 30 flowers, keeping very long. Buds bright vermilion red, tinted orange, turning to bright pink, and clear pink at the full bloom. Awarded a Silver-Gilt Medal by the R. H. S., London; and another Medal at the International Exhibition. Awarded a Gold Medal by the Societé Nationale d'Horticulture de France, at the Paris Exhibition in May, 1913. Will be much appreciated for masses, pot culture, and for forcing. Large dormant plants, **each $2.00.** Small plants (ready in May), **50c; 3 for $1.25.**

Marie Jeanne (Climbing Polyanthus). An exquisite white, sometimes shaded salmon. The flowers are large, 40 to 50 being enumerated in one truss. Healthy deep green foliage, and a vigorous grower. Large plants, **each $2.00.** Small plants (ready in May), **each 50c; 3 for $1.25.**

Triomphe Orleanais (Dwarf Polyanthus). A great improvement on the well known Mme. Levavasseur. The flowers are produced in great abundance, being a bright and constant cherry red. Large plants, **each $2.00.** Small plants (ready in May), **each 50c, 3 for $1.25.**

Irish Fire Flame. A superb **new single variety,** unexcelled for corsage wear; the buds appear bright flame color, and coppery red inside when they open. A strong grower. Small plants, **each 25c, postpaid.** Large plants, **each 40c (exp.).**

Souvenir de Marquis Loureiro (H. T.). Bright scarlet shaded coral, changing to purplish rose when fully grown, late in the season becomes orange and coppery red. Small plants (ready in May), **each 35c, 3 for 85c.**

Mrs. Walter E. Martin (H. T.). Large well filled blooms blush white outside with clear rose pink reverse. Small plants, (ready in May), **each 35c; 3 for 85c.**

Mme. Chas. Lutaud (H. T.). A glorious rose of fine size and shape. The flowers, which are borne on long stems are large and full, of an exquisite deep chrome yellow, often blended with rosy scarlet and shrimp red. It has wonderful lasting qualities, never developing that washed-out appearance that many of this shade do, and with its delightful perfume, it is altogether a perfect rose for any purpose. Large plants, **each $1.25,** small plants (ready in May), **each 35c; 3 for 85c.**

Yvonne Rabier (Dwarf Polyanthus). This received an Award of Merit, from the R. H. Soc. of England (1912). It is an ideal white, and forms immense well shaped trusses. We predict a great demand for it when it becomes known. Large plants, **each $1.00.** Small plants (ready in May), **25c; 3 for 65c.**

George Elger (Dwarf Polyanthus). A real golden yellow polyanthus rose, could be called the dwarf Wm. A. Richardson. Flowers very freely and is a good doer, being early, it forces well. Large plants, **each $1.25.** Small plants (ready in May), **each 35c; 3 for 85c.**

Godenia (Wichuriana). Identical with Dorothy Perkins except in color. The flowers are bright scarlet, shaded white on the under side — a very pleasing contrast, new to the Wichuriana class. They are quite double being distributed in loose panicles all over the plant, and last a long time. 2½ in. pots, **each 25c.** 3½ in. pots, **each 40c (exp.).**

CHOICE AND RARE ROSES

Selected from the best introductions of British and Continental growers, and offered only after careful trial on our own grounds.

Baby Tausendschon. An exact counterpart of the grand climber "Tausendschon," except in habit of growth. The plants are sturdy and bear immense trusses of flowers of a large size which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and this "Baby" undoubtedly has a great future. 2 year dormant, **each 50c;** 2½ inch pot plants, **each 20c; 3 for 55c, prepaid.** 3½ inch pot plants, **each 35c.**

Edward Mawley. A handsome velvety crimson of perfect form. A remarkably free bloomer with all the good qualities of a true Hybrid Tea. One of the best of the new sorts. 2 year field grown plants, potted, **each 50c;** 2½ in. pot plants, **each 20c, prepaid;** 4 inch, **each 35c (exp.).**

Geo. C. Waud. An exceptionally fine rose, of a glowing orange-vermilion which does not fade. Has won many honors in Europe. 2 year, **each 50c.** 2½ inch pot plants, **each 20c, 3 for 50c, prepaid;** 4 inch pot plants, **each 35c (exp.).**

Lady Hillingdon (Tea Scented). An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable. 2½ in. pot plants, **each 20c, 3 for 50c, prepaid;** 3½ in. pot plants, **each 35c, 3 for $1.00 (exp.).**

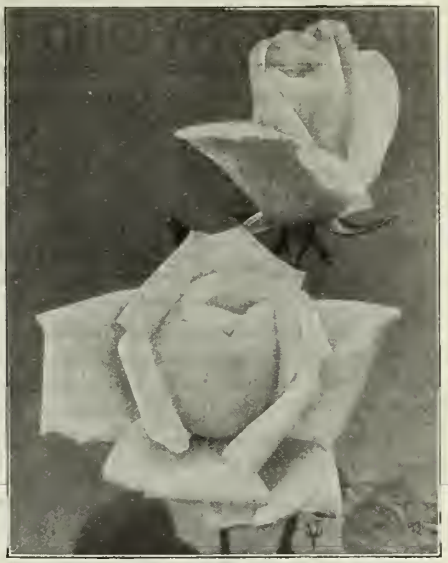
Milady. Similar to Richmond in color but far richer in the bud. Large and double, opening perfectly at all seasons of the year. In form and fragrance it resembles Gen. Jacqueminot. Strong and sturdy in habit with excellent foliage. Is strongly recommended for these qualities and also for its great productiveness and wonderful keeping qualities. **Each 50c.** 2½ inch pots, **each 25c; 3 for 65c, prepaid;** 3½ inch pots, **each 40c (exp.).**

Pollaertrose (Improved La France). This grand new variety of a La France pink is a strong grower with large beautifully formed flowers borne very freely on strong stiff stems. It has all the good points of a first-class rose and is strong where the La France has developed weaknesses, and undoubtedly will replace it in time. 2½ in. pot plants, **each 15c; 3 for 40c, prepaid.** 4 inch pot plants, **each 35c (exp.).** 2 year dormant, **each 50c.**

Rhea Reid. A remarkably fine Hybrid Tea Rose. A vigorous grower, bearing a profusion of large, full, bright crimson flowers, very fragrant and lasting. 2 year dormant plants, **each 50c.** 2½ in. pot plants, **each 15c; 3 for 40c, prepaid.** 4 in. pot plants, **each 30c (exp.).**

Sunburst. A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich coppery yellow of good size and form. Is a strong grower and having long strong stems is very fine for cut-flowers. 2½ inch pot plants, **each 25c; 3 for 65c, prepaid;** 3½ inch pot plants, **each 40c; 3 for $1.10 (exp.).**

JONKHEER MOCK



WHITE KILLARNEY

MRS. AARON WARD

HARDY EVERBLOOMING GARDEN (HYBRID TEA) ROSES

This class has resulted from crossing the Hybrid Perpetuals with the Tea Scented varieties, and possesses the hardiness of the first with the free blooming habit and fragrance of the latter. All have long pointed buds borne on strong stems which make them very valuable for cut flowers. Being so hardy, such free bloomers during the entire summer, and embracing such a wide range of color, they will undoubtedly grow greatly in favor and be much more widely planted than at present, both in small gardens and where large beds are desired.

We especially recommend these roses for flowering during the summer and fall months and have selected only those that are best in their color and with the most desirable qualities.

Up to May 10 to 15, we can supply strong 2-year field grown plants of the following list, after that date we offer pot-grown-stock only. **Prices, 2-year, field grown, each 35c, 3 for $1.00, doz. $3.50. Potted plants, (after May 10 to 15) each 50c, 3 for $1.35; per doz. $5.00, (by express at purchaser's expense.)**

Avoca. A very desirable velvety crimson rose with large smooth petals. Its freeness of blooming, vigorous habit, and long pointed buds won it a goldmedal from the British National Rose Society.

Captain Christy. A beautiful flesh pink rose, large and free blooming, deepening to a rosy crimson at the center. Unusually good.

Caroline Testout. A grand rose which should be more widely planted. It has become decidedly popular in the West. The flowers are a fine satiny pink, full and very fragrant. Excellent for cutting.

Gruss an Teplitz. Unquestionably the finest brilliant red, hardy, ever-blooming garden rose. The flowers are very showy and handsome. It blooms constantly and continues covered with flowers the whole season.

J. B. Clark. Growth is vigorous and upright. Blooms are large and beautifully formed; color intense scarlet, strongly fragrant.

Jonkheer Mock. This magnificent new rose came to us with a great European record, and at our greenhouses it has fully verified all advance reports of its merits. It is a splendid robust and free grower sending up strong stems which bear glorious flowers in two tones of color, fiery red within, and silvery white without. The flowers are large and of a fine rounded form. Rosarians have pronounced this variety as one sure to be a World-Rose in a class with Kaiserin Aug. Victoria and Frau Karl Druschki.

Kaiserin Augusta Victoria. One of the best white roses, either for bedding or for cut-flowers. A tinge of lemon in the center adds to its beauty. Known the world over and is worthy of being planted in every garden.

Killarney. A strong, robust grower and a free, continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful fragrance. A rose of great beauty and excellence.

La France. Bright satin pink rose, with a silvery reflex, blooming early and late; one of the best roses grown.

Lady Ashtown. Pale rose, shading to yellow at base of petals, large full, pointed flowers, which retain their shape well. Very free flowering, and excellent for all purposes.

Lyon Rose. Color, shrimp pink at edges of petals; center of flower intense coral red, shaded chrome yellow; free grower and abundant bloomer; flowers large fairly full, with fine smooth petals and long pointed buds. We have no hesitation in recommending it to our customers as the most wonderful coloring among roses that has yet been attained. Very fragrant and hardy.

Mme. Abel Chatenay. This splendid rose is one of the best of its color; rosy carmine, with darker shade. It has wonderfully beautiful flowers, which are full, deep and double; very hardy, a strong grower and free bloomer.

Mildred Grant. Of largest size, pure white, delicately tinted with light pink.

Mrs. Aaron Ward. (New.) This beautiful rose changes in color as the flower expands; the opening bud is a deep coppery orange, changing when partly developed to golden orange in the center, while the edges of the petals which recurve in a most graceful way are creamy white; the combination is very striking and beautiful. When fully open it is an exquisite shade of pinkish fawn. It is a strong grower with healthy, dark, glossy green foliage. Very free flowering.

White Killarney. A pure white sport from Killarney, with which it is identical in shape. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed, borne on strong erect stems.

The following varieties are **on their own roots** and are furnished in growing condition.

Prices, except where noted, 2½ in. **each 15c, 3 for 40c, doz. $1.50, prepaid.**
Larger plants, from 3½ or 4 in. pots, **each, 30c, 3 for 80c, doz. $3.00, prepaid.**

Cynthia Forde. A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite, it is so free blooming and has such fine long stems. Full and perfect in form. 2½ in. pots, **each, 20c, 3 for 50c, prepaid;** 3½ in. pots, **each, 35c, 3 for $1.00.**

Caroline Testout. Rose pink.

Gruss an Teplitz. Brilliant red.

Jonkheer Mock. Red shaded to silvery white. 2½ in. pot plants, **each 20c, 3 for 50c, prepaid;** 4 in. pot plants, **each 35c, 3 for $1.00.**

Kaiserin Augusta Victoria. One of the best whites.

Killarney. Bright pink.

La France. Satin pink.

Mrs. Aaron Ward. We cannot recommend this variety too highly for bedding and cutting. The best orange-yellow. 2½ in pot plant, **each, 20c, 3 for 50c, doz. $2.00 prepaid.** 3½ in. pot plants, **each, 35c, 3 for $1.00.**

Mme. Segond Weber. This novelty is one of the most desirable of recent introductions. The color, a pure flesh salmon rose, is entirely new among Hybrid Teas. The flowers are very large, composed of large, firm petals, cup-shaped, of regular form. The buds are pointed, oblong, and are borne upright on long, rigid stems. It is an ever-bloomer, making it most desirable for forcing and bedding.

My Maryland. A very choice summer rose of a bright salmon pink with pale edges. It is very free to bloom and remarkably fragrant.

Richmond. Scarlet-crimson, pointed buds, and tall, erect stems; handsome dark foliage, one of the most successful and prolific roses for the garden.

White Killarney. Pure white.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens, great and small.

The roses which we offer here are either on their own roots in pots or two years old from the field.

OUR POT ROSES are grown from good strong well matured parent plants and are never forced, but kept in a moderate temperature where we develop them into strong healthy plants. This method produces stock of the strongest vitality and when planted out does not suffer the setback which most pot roses do.

OUR FIELD GROWN PLANTS are all big strong healthy bushes and are budded on the hardiest stock in existence. These roses when planted and cared for produce a grand showing the first year and are by all means the very best to be had.

Remember roses like anything else respond to good treatment and any extra pains taken will be rewarded.

FRAU KARL DRUSCHKI

HARDY HYBRID PERPETUAL ROSES

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of the grand size and form, as well as the ideal coloring of such kinds as American Beauty, Mrs. John Laing, and White Druschki.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus, will be found beneficial. They thrive best with applications of manure water, and at least two applications of bone meal at the rate of two pounds per square yard prior to blooming time.

Plant fifteen to eighteen inches apart and if in beds border with Baby Ramblers for an excellent effect.

The roses offered here are budded low on Manetti or Dogrose stocks and are generally known as grafted roses. Plant so that the graft is three inches below the surface of the soil. Early Spring planting is essential.

AMERICAN BEAUTY

ALFRED COLOMB. Extra large cherry red flowers, very free blooming.

AMERICAN BEAUTY. This is the queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson. Prices, strong 2½-in. pot plants, **each, 15c., 3 for 40c., doz., $1.50, prepaid;** 3½-in. pot plants, **each 25c., 3 for 65c., doz., $2.50 (exp).**

ANNA DE DIESBACH. Very showy and large, pointed buds, a beautiful shade of carmine. A strong grower.

BARON DE BONSTETTIN. Rich, dark red passing to deep velvety maroon, double and full.

BARONESS ROTHSCHILD. Immense globular flowers of a rich satiny pink. Very vigorous and a remarkably free bloomer.

FISHER HOLMES. A deep crimson rose of "Jacque" type but a free bloomer and more fragrant.

FRAU KARL DRUSCHKI. (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GLOIRE LYONNAISE. A beautiful light creamy yellow of medium size and fine shape, desirable for bouquets.

HUGH DICKSON. Brilliant crimson shaded scarlet, large smooth pedals, slightly reflexed on the edges. Very fragrant and vigorous. One of the most desirable sorts.

JOHN HOPPER. A grand rose of a brilliant crimson, bearing large solid flowers which are remarkable for their fragrance and freedom of bloom.

MABEL MORRISON. An attractive rose with pure white, perfectly formed flowers of large size.

MME. GABRIEL LUIZET. This is a handsome satin pink rose of great vigor. Fine for early flowers, large and full.

MME. PLANTIER. Pure white, large and double, a free and continuous bloomer, fine for cemetery planting.

MAGNA CHARTA. Deep pink, large sweet scented and of fine form, one of the hardiest roses in cultivation and commonly planted.

MARSHALL P. WILDER. A grand rose of large full flowers of a bright carmine red.

MRS. JOHN LAING. A grand, useful rose. Large beautiful pink blooms, borne on long sturdy stems; the gem of the lot.

MRS. R. G. SHARMAN CRAWFORD. Light, flesh pink, perfect flowers, somewhat imbricated on clean, erect stems.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

PRINCE C. DE ROHAN. (The Black Rose). Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy.

ULRICH BRUNNER. Cherry crimson, large fine form, a good garden and exhibition rose, very strong grower and hardy.

PRICE. Extra strong, dormant, 2-year-old field-grown plants supplied up to May 1, by express, each 30c., 3 for 35c., doz. $3.00, per 100 $22.00. If to go by mail, add 5c. each for postage.

MRS. JOHN LAING

Vaughan's "Surprise" Collection. (H. P.) Roses

OUR OWN SELECTION

Strong 2-year-old dormant plants, field grown

Per dozen $2.50 **Per 100 $18.00, by Express.**

Vaughan's Unrivaled Collection of 12 Best Hardy Garden Roses

For description see general list of Hybrid Perpetual Roses:

Anna de Diesbach. Bright rose.
Baron de Bonstettin. Dark red.
Baroness Rothschild. Pink.
Frau Karl Druschki. White
Gen. Jacqueminot. Crimson.
John Hopper. Rosy crimson.
Magna Charta. Deep pink.
Mrs. John Laing. Bright pink.
Mrs. R. G. S. Crawford. Flesh.
Paul Neyron. Rose.
Prince C. de Rohan. Velvety crimson.
Ulrich Brunner. Cherry crimson.

PRICE. 1 each of 12 above named kinds, $3.00 or 3 each of above named kinds, $8.00.

CECILE BRUNNER

ERNA TESCHENDORFF

MOSS ROSE

POLYANTHAS AND BABY RAMBLERS

These are entirely distinct from the larger flowered sorts and there is a place for both of them in every garden, being so hardy and adapted to so many uses. Masses of 25 or more together will be found to make a very effective planting.

It has been our great good fortune to be in the lead in introducing Baby Ramblers to the American public. Years ago we first offered the Crimson Baby Rambler and followed that by Vaughan's White Baby Rambler. What a wonderful success these have been every one knows. Other choice varieties of this class will be found in the following list.

Baby Dorothy. This lovely new rose is vigorous and free-blooming, the flowers being a very bright and pleasing rose-pink. It is perfectly hardy and blooms from Spring to Fall, and as a pink bedding rose it has no equal. 2 yr. dormant field grown plants, **each 35c; 3 for $1.00; doz., $3.50.**

Baby Tausendschon. See page 102.

CECILE BRUNNER

Here is the ideal cut-flower rose for corsage bouquets and table bowls. To the growing of these beautiful buds one of the largest establishments in California devotes many greenhouses, and in the north section of Chicago many "Cecile Brunners" are being planted for cut-flowers to be sent all over the United States. The delicate buds are of perfect form and color, which at first is rose pink, shading to a deep salmon pink, and showing a rich orange center, toning to a pale flesh color when fully opened. It is a healthy grower beginning to bloom in early June, and continuing until approach of frost.

2 yr. dormant plants, **each 35c; 2½ in. pots, each 15c; 3 for 40c; doz., $1.50 prepaid; 4 in. each, 30c; 3 for 80c; doz., $3.00 (Exp.).**

Clothilde Soupert. A truly grand hedding rose pearly white in color shading to a pure rose pink. It has remarkably round double fragrant flowers always borne in clusters. Being the introducers, we take pride in having extra select stock which will bloom continuously during the summer, if given ordinary care. 2½ in. pots, **each 15c; 3 for 40c; doz., $1.50, prepaid;** 3½ in. pots, **each 30c; 3 for 80c; doz., $3.00.**

CRIMSON BABY RAMBLER

Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

	Each	3 for	Doz.	100
2-yr. dormant field grown, extra strong	$0.35	$1.00	$3.50	$25.00
3-yr. dormant	.40	1.10	4.00	
2½ in. pot plants	.15	.40	1.50	10.00
4 in. pot plants	.35	1.00	3.50	22.00

ERNA TESCHENDORFF

The color of the flowers is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00;** 3½ in. pot plants, **each 35c; 3 for $1.00;** 2 year dormant plants, **each 40c; 3 for $1.10; doz., $4.00.**

Jessie. This is a charming novelty constantly in bloom from June until frost appears. The height outside does not exceed 2½ feet. The foliage is bright, glossy green and wonderfully free from mildew. The flowers are of a bright cherry crimson color, which does not develop the objectionable purple or magenta tints.

	Each	3 for	Doz.	100
2-yr. dormant field grown, extra strong	$0.35	$1.00	$3.50	$25.00
3-yr. dormant	.40	1.10	4.00	
2½ in. pot plants	.15	.40	1.50	10.00
4 in. pot plants	.35	1.00	3.50	22.00

Orleans. Color bright red and pink, center slightly shaded white. Foliage bright green. This is a rose of great merit and will undoubtedly become a great favorite for pot culture, forcing and bedding. 2-year dormant plants, **each 35c; 3 for $1.00; doz., $3.50.**

Phyllis. This beautiful Pink Baby Rambler is very popular. It is a beautiful carmine pink color. Flowers are produced in continuous succession of large clusters. A most desirable variety. 2-yr. dormant plants, **each 35c; 3 for $1.00; doz., $3.50.**

Vaughan's White Baby Rambler. The flowers are borne in clusters of 50 to 75 individual flowers, one inch in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 inches in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy. 2½ in. pot plants, **each 15c; 3 for 40c; doz., $1.50;** 3½ in. pot plants, **each 30c; 3 for 80c; doz., $3.00.**

TREE BABY RAMBLERS

Budded on Rugosa stock in tree or standard shape with bushy two-year-old heads, which will flower beautifully during the Summer and Fall.

Baby Rambler. 12 in. and 24 in. **Jessie.** 12 in.

Orleans. 24 in. **Phyllis.** 12 in.

Price each, $1.00; 3 for $2.75; doz., $10.00.

BABY RAMBLER COLLECTION No. 105

Crimson Baby, Baby Tausendschon, Erna Teschendorff, Vaughan's White Baby.

One each of the above, 4 distinct colors, 2½ in. pots, 60c, prepaid.

BABY RAMBLER COLLECTION No. 105A

The same varieties as in collection 105.

One of each in 3½ in. pots, $1.00 prepaid.

BABY RAMBLER COLLECTION No. 105B

Baby Dorothy, Baby Tausendschon, Crimson Baby, Erna Teschendorff, Jessie, Orleans, Phyllis.

2-yr. dormant plants, one of each, $2.25 prepaid, $2.00 (exp.), not prepaid.

TEA ROSES

These are not as hardy as the Hybrid Perpetuals and Hybrid Teas, and during winter require protection, but they possess a delightful fragrance of their own and exquisite shades of color. Their deep green glossy leaves are also characteristic. Every garden should have a sunny corner allotted to the cultivation of a few, and for the conservatory the well known Marechal Niel (offered in our "Climbing Rose" section) is indispensable.

Cochet Pink. Well known pink bedding rose, deliciously fragrant. 2½ in. pots, **each 15c; 3 for 40c;** 3½ in. pots, **each 30c; 3 for 80c.**

Cochet White. A pure white of finest fragrance and with the good qualities of its parent—the Pink Cochet. 2½ in. **each 15c; 3 for 40c;** 3½ in. **each 30c; 3 for 80c.**

Lady Hillingdon. (p. 102), golden yellow. 2½ in. pot plants, **each 20c; 3 for 50c, prepaid;** 3½ in. pot plants, **each 35c; 3 for $1.00 (exp.).**

VAUGHAN'S TEA ROSE COLLECTION

One of each of the above three varieties in 3½ in. pots, $1.00 prepaid.

MOSS ROSES

These old-fashioned favorites, require close pruning, and a liberal supply of manure. They are all delightfully scented. There are few things more beautiful than a Moss Rose in bud. All are of the easiest culture.

Double Pink, Double Red, Double White. 2-yr. dormant stock. Extra strong plants, **each 35c; 3 for $1.00; doz., $3.50 (exp).**

AUSTRIAN BRIAR

Soleil d'Or or Golden Sun. Habit of plant is robust, producing vigorous shoots in abundance, branches straight and of good size. The flowers are a marvelously rich shade of chrome-yellow with a glint of coppery-rose in the center. **Price,** strong 2-yr.-old plants, field grown, **each 35c; 3 for $1.00; doz., $3.50 (exp.).**

HARDY CLIMBING ROSES

The demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote:
(C. P.)—Climbing polyanthus-flowered; flowers double or semi-double.
(S.)—Single-flowered.
(Exp.) after a price—To be sent **by express.**

Alberic Barbier. (New.) Dark green leaves, bronzy red and glossy in spring The outer petals of the flowers are a delightful creamy white and the inner a canary yellow. 2-year, **each 50c.** 2½-inch pot plants **each 20c** prepaid; 3½ in., **each 35c, (exp.).**

AMERICAN PILLAR (S). A new climber of vigorous habit. The enormous single flowers, sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedom, fairly covering the bush. Color is a delightful shade of rose pink. Broad, glossy, deep green foliage. In the fall the flowers are followed by clusters of red berries. 2-year, **each 50c (exp.);** 2½ in. pots, **each 20c (prepaid);** 3½ in. pots, **each 35c (exp.).**

Baltimore Belle (C. P.). Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color. 2-year, **each 35c (exp.).**

Climbing Mme. Cecile Brunner (Cl. Tea). A rose of exceptional merit. The blooms are semi-double, bright rose in the center shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose, and have a fine stock to offer. 2½ in. pots, **20c each (prepaid);** 3½ in. pots **each 35c (exp.).**

Climbing Clothilde Soupert (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. 2½ in. pots, **each 15c (prepaid);** 3½ in. pots, **each 30c (exp.).**

CRIMSON RAMBLER (C. P.). This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of Roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. 2-year old, **each 50c;** strong 3-year, **each 75c;** extra heavy (splendid plants), **each $1.00, all (exp.).**

Delight (C. P.). A fine climbing rose of recent introduction, having large trusses or corymbs of bright carmine flowers, toning off to pure white at the bases of the petals, which with the central yellow cluster of anthers, makes a very pleasing contrast. Very vigorous, and a profuse bloomer. 2½ in. pots, **each 20c (prepaid);** 4 in. pots, **each 35c (exp.).**

DESIRE BERGERA (Hyb. Wichuriana). A new and very vigorous climbing rose. The flowers which are of medium size, are double, and produced in clusters of from two to six blooms. The color is eoppery rose outside with a clear orange red reverse. Quite a new shade among climbing roses. 2½ in. pots, **each 25c (prepaid);** 3½ in. pots, **40c each (exp.).**

DOROTHY PERKINS (C. P.). The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading. 2-year, **each 50c;** strong 3-year, **each 75c (exp.);** 2½ in. pot plants, **each 20c, (prepaid);** 3½ in. pot plants, **each 35c (exp.).**

Excelsa (C. P.). A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet. 2½ in. pot plants, **each 20c (prepaid);** 3½ in. pot plants, **each 35c (exp.);** 2-year, **each 50c;** 3-year, **75c (exp.).**

Flower of Fairfield (C. P.). Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. 2-year, **each 50c;** strong 3-year, **75c(exp.).**

HIAWATHA (S.). The petals are deep crimson, shading to a pure white at the base, forming as it were, a large white central disc, encircled by a crimson ring. The plant in full bloom must be seen to be thoroughly appreciated. flowers very freely, and is undoubtedly one of the prettiest of the single roses. 2-year, **each 50c;** strong 3-year, **each 75c (exp.);** 2½ in. pot plants, **each 20c (prepaid);** 3½ in. pot plants, **each 35c (exp.).**

STANDARD CLIMBING ROSES

We supply "Standard" or "Tree" trained specimens of

Crimson Rambler, Dorothy Perkins, Lady Gay

. large bushy heads, on 3 ft. stems, 2 years grafted

Each $1.00; 3 for $2.75; per doz. $10.00

Type of Roses "LADY GAY" and "DOROTHY PERKINS"

LADY GAY (C. P.). The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, is superb, vigorous grower and perfectly hardy. 2-year, **each 50c.** Strong 3-year, **each 75c (exp.);** 2½ in. pot plants, **each 25c (prepaid);** 3½ in. pot plants, **each 40c (exp.).**

Marechal Niel (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars in a greenhouse this is a magnificent rose. 2½ in. pot plants, **each 20c (prepaid);** 3½ in. pot plants, **each 50c;** 5 in. pot plants, **each 75c (exp.).**

PHILADELPHIA RAMBLER (C. P.). This variety is identical with the Crimson Rambler except the color is deeper and more lasting, the flowers are perfectly double to the center, and come into flower about 10 days after the Crimson Rambler. Strong, 2-year, **each 50c (exp.).**

Prairie Queen (C. P.). Color, bright red, changing as the flower opens to deep pink. A splendid rose for porches. Strong, 2-year, **each 35c (exp.).**

South Orange Perfection. (Wichuriana.) Flowers blush pink, fully double profuse bloomer. 2-year, **each 35c (exp.).**

TAUSENDSCHON (C. P.). This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine. 2-year, **each 50c;** strong 3-year, **each 75c (exp.);** 2½ in., **each 20c (prepaid);** 3½ in., **each 35c (exp.).**

Universal Favorite. (Wichuriana.) Blush white, double, one of the memorial set. Foliage beautiful glossy green. Very hardy. Strong 2-year, **each 35c (exp.).**

WHITE DOROTHY (C. P.). This beautiful new rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white, but it is quite as hardy and vigorous. It has now become a universal favorite. 2-year, **each 50c;** strong 3-year, **75c;** extra heavy, **each $1.00 (exp.);** 2½ in. pot plants, **each 20c (prepaid);** 3½ in. pot plants, **each 35c (exp.).**

Wichuriana. (Memorial Rose.) Flowers pure white, foliage bright glossy green. This is a beautiful subject for planting on graves. It creeps along the ground as closely as an Ivy and often grows 10 feet in one season. The flowers are produced in July. 2-year, **each 35c (exp.).**

Rambler Collection No. 106. One 2-year plant of **American Pillar, Excelsa, Lady Gay and White Dorothy for $1.60, not prepaid.**

Regarding Prices Where the price for each is—

			Doz.
$0.15, we supply	3 for	$0.40	$1.50
.20, we supply	3 for	.55	2.00
.25, we supply	3 for	.65	2.50
.35, we supply	3 for	1.00	3.60
.40, we supply	3 for	1.10	4.20
.50, we supply	3 for	1.25	5.00
.75, we supply	3 for	2.15	8.00

BROOKLYN, N. Y., "The package of fine roses sent through your New York store received in splendid order. It was a positive delight to me to unpack, and plant them. I have had roses from many sources and never in all my life had any come in such superb shape."

J. YATES PEEK.

GRUSS AN TEPLITZ
Best Bedding Rose

RUGOSA ROSE

EDWARD MAWLEY
See Page 102

TREE OR STANDARD ROSES

Our selection of the best **HYBRID PERPETUAL** varieties in the following colors.

PINK RED WHITE

Price each, $1.00; 3 for $2.75; per doz., $10.00.

RUGOSA ROSES

Very ornamental. Form bushes 5 to 6 ft. high, covered with masses of large single and semi-double flowers. The foliage is deep glossy green, entirely free from mildew, and insect pests, the entire bushes having the appearance of flowering shrubs of exquisite shape and beauty. During winter the red seed-pods or 'berries' are very handsome.

Alba. Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, (exp).**

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming and almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

Conrad F. Meyer. Very vigorous and strong grower, the flowers which are beautiful in bud, are of clear silvery rose in color, very large and fragrant, superb foliage. **Extra fine.**

Mad. G. Bruant. Blossoms in clusters. Semi-double pure white flowers. The ideal cemetery rose.

Rubra. (True Rugosa Type.) Beautiful single red, flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, (exp).**

Price, except where noted, **each 35c; 3 for $1.00; 12 for $3.50, (exp).**

ROSES OF RARER SORTS

Hermosa. (China.) A grand old rose. There are many gardens in which it holds first place for full and frequent bloom. Flowers borne in clusters, clear bright pink, very double and one of the best. Strong dormant field plants, **each 30c (exp.); per doz., $3.00, (exp).**

Persian Yellow. (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs, prune lightly as this variety flowers on the previous year's growth. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00; doz. $3.50, (exp).**

Rubiginosa. (True English Sweet Briar.) Valuable for the refreshing fragrance of its leaves. This is the true Eglantine. No garden should be without a plant of it. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2-year, **each 35c, 3 for $1.00, (exp).**

Rubrifolia. (Red-Leaved.) Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shrubs, especially when set among a mass of other shrubs or planted by itself in groups. 2-year, **each 35c, 3 for $1.00, (exp).**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. **Price,** 3-year-old plants, **each 40c; 3 for $1.10, (exp).**

Souv. de la Malmaison. (Bourbon.) The finest Bourbon rose sent out for many years. Blooms are double to the center and the color is lovely creamy flesh, with bright rose center elegantly shaded, constant bloomer and entirely hardy. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00; doz., $3.50 (exp).**

ROSE COLLECTIONS

We give the names and colors of the varieties in our collections, but late in the season, when some stocks are running short, we reserve the right to substitute, giving the next best in resemblance, unless customers direct otherwise when ordering.

THE "GLENCOE" COLLECTION

of 10 Hardy Everblooming Garden Roses

(For description see general list of Hardy Roses page 103).

Capt. Christy. Flesh.
Caroline Testout. Satin Rose.
Duchess of Albany. Deep pink.
Gruss an Teplitz. Brilliant red.
J. B. Clark. Scarlet.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
La France. Satin pink.
Mme. Abel Chatenay. Carmine.
Mrs. Aaron Ward. Orange yellow.

Price, 2-year-old field grown plants, potted, **1** each of above kinds, **$3.75.** 2 each of above kinds, **$7.00, (exp).**

THE "LAKE FOREST" COLLECTION

of 15 Hardy Everblooming Garden Roses

(For description see general list of Hardy Roses, page 103).

Cynthia Forde. Fine pink.
Edward Mawley. Velvety crimson.
Gruss an Teplitz. Brilliant red.
Jonkheer Mock. Rose and silvery pink.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Maman Cochet. White.
W. R. Smith. Creamy white.
Maman Cochet. Pink.
My Maryland. Pink.
Mrs. Aaron Ward. Orange yellow.
Pollaertrose. 'La France' pink.
Rhea Reid. Crimson-Scarlet.
Richmond. Red.
White Killarney. Pure white.

Price: The collection from 2½ in. pots, **$1.50, prepaid;** 3½ in. pots, **$3.00, (exp).**

COLONIAL GARDEN COLLECTION

So many customers have expressed the desire to secure a collection of the old fashioned roses to use in their Colonial gardens that we now offer 12 choice varieties specially adapted to such a use. All are old favorites and anyone wishing roses for this purpose cannot afford to miss this opportunity to secure them.

2 Rugosa. Pink and white.
Hermosa. Pink.
Rubrifolia. Red-Leaved.
2 Memorial. Pink and white.
Sweet Briar. Single pink.
Persian Yellow.
2 Moss. Pink and white.
2 June Roses. (H. P. varieties).

One 2-year dormant plant of each of the 12 varieties for $3.00.

MEMORIAL ROSE COLLECTION

Hiawatha. Red.
Universal Favorite. Blush white.
South Orange Perfection. Pink.
Wichuriana. White.

One 2-year dormant plant of each for $1.25.

SURPRISE COLLECTION GARDEN ROSES

Our selection of Sorts Only. **Ready May 1st. Not before.**

	Plants	in. Pots	Varieties	
S. R. C. No. 13	12	3½	12	**$ 2.50 by exp.**
S. R. C. No. 23	100	3½	15	**16.00 by exp.**
S. R. C. No. 33	12	2	12	**.50 by mail.**
S. R. C. No. 43	100	2	15	**3.50 by exp.**

Collections No. 33 and No. 43 cannot be supplied after June 1st.

Unnamed Hardy Everblooming Garden Roses in Pink, White or Red, suitable for bedding, from 2½ in. pots. **Price per doz., 75c.**

JAPANESE CLEMATIS (C. Paniculata

BEAUTIFUL, HARDY CLIMBING VINES

Flower-lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches, with perhaps a vine or two of the Chinese Wistaria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckles, and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. On the next three pages are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. American Ivy or even Grape-vines make a good covering.

Actinidia Polygama. (The Silver Vine.) A desirable Japanese climber, of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3 yr. plants, **each 50c (exp.).**

Akebia Vine. A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 3 yr. **35c;** 4 yr. **50c (exp.).**

Ampelopsis Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, **1yr. each 25c;** 2 yr. **each 35c; (exp.).**

Ampelopsis Engelmanni. (Engelman's Ivy) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 yr. **25c.;** 3 yr. **35c;** 4 yr. **50c each (exp.).**

Ampelopsis Lowii. A beautiful new Ampelopsis with small palmate leaves and a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4-inch pots, **each 50c, postpaid.**

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 yr. **each 25c; doz. $2.50.** Extra strong, 3 yr. **each 35c; doz. $3.50;** 4 yr. **each 50c (exp.).**

Ampelopsis Robusta Purpurea. An improved Boston ivy, of which it is a variety. Remarkably strong and sturdy in habit. Strong 3 yr. plants, **each 50c (exp.).**

Apios Tuberosa. A hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delightful violet fragrance. **Each 5c; doz. 50c, postpaid.**

Aristolochia Sipho. (Dutchman's Pipe.) Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr. **35c,** 3 yr. **50c each (exp.).**

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr. **each 20c; doz. $2.00;** 3 yr. **each 35c; doz. $3.50;** 4 yr. **each 50c; doz. $5.00 (exp.).**

Celastrus Articulatus. (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 yr. **each 25c; doz. $2.50;** 3 yr. **each 35c; doz. $3.50 (exp.).**

Celnstrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, **each 25c; doz. $2.50; 100 $18.00.** 3 yr. **each 35c; doz. $3.50.** 4 yr. **each 50c; doz. $5.00 (exp.).**

Cinnamon Vine. A rapid-growing climber, taking its name from the peculiar fragranee of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots. **Each 5c; doz. 50c; postpaid.** Extra large roots, **each 10c; doz. $1.00, postpaid.**

JAPANESE CLEMATIS—(Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines.

PRICES. By Mail Postpaid.				PRICES. By Express, Not Prepaid			
Each	Three	Dozen	Age	Each	Three	Dozen	100
$0.20	$0.50	$1.70	1 yr.	$0.15	$0.40	$1.50	$10.00
.30	.80	3.00	2 yr.	.25	.65	2.50	15.00
.50	1.40	5.00	3 yr.	.40	1.10	4.00	25.00
.90	2.50	...	4 yr.	.75	2.00	7.50	....

Climbers for Shady Places. Aristolochia, Sipho, Celnstrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebin Vine, Honcysuckles.

Climbers for Sunny Situntion. Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect. Clematis, all large flowering type such as C. Jackmnnii, Henryii, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect. Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine, Periploca Graeca.

Special Rate Prices on 3 and 12 of a kind (see page 125).

THE JAPAN OR BOSTON IVY (Ampelopsis Veitchii)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surfaee of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

PRICES

	By Mail Postpaid				By Express, Not Prepaid			
	Each	3 for	Dozen		Each	3 for	Dozen	100
1 yr.	$0.20	$0.50	$1.50	1 yr.	$0.15	$0.40	$1.25	$ 8.00
2 yr.	.30	.80	3.00	2 yr.	.25	.65	2.25	16.00
3 yr.	.40	1.10	4.00	3 yr.	.35	1.00	3.75	20.00

3 yr. (extra strong), **each 50c; 3 for $1.25; doz. $4.50; 100 $30.00 (by exp.)**

Pot Grown Plants. For late planting (ready June 1st). **Each 50c; doz. $5.00, (by exp.).**

JAPAN OR BOSTON IVY (Ampelopsis Veitchii)

CLEMATIS—Continued

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Azure Star. (Lasurstern) A new variety with large blue flowers. Strong grower and very desirable.

Beauty of Worcester. (New.) A magnificent sort with enormous flowers of clear sky-blue, contrasting strikingly with the cluster of pure white stamens.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant.

Gypsy Queen. A rich, dark velvety purple; a fast grower and a free bloomer. A very attractive and curious variety.

Henryi. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter, and pure white. Very hardy.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Veillard. Light rose, lilac shadings. Much admired.

Miss Bateman. Pure white, with chocolate anthers. Commences to bloom as soon as its leaves start in May.

Mr. Paten. A fine new variety with double lavender flowers, a good grower and free bloomer.

Sieboldi. Flowers of large size. A beautiful light blue in color. Strong grower. One of the best.

Ville de Lyon. Its blooming capacity is great and the flowers of the most magnificent brilliant crimson; they are large and of beautiful circular form.

Strong 2 yr. old plants, each 50c; 3 for $1.35; doz., $5.00, prepaid. Extra strong, 3 yr. old plants, 75c; 3 for $2.10; doz., $8.00, by express, not prepaid.

SPECIAL OFFER—One 3 year old root, each, Jackmanii, Miss Bateman and Ville de Lyon, three colors in all (red, white and blue) for **$2.00.**

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. **Each, 20c; 3 for 50c; 12 for $1.50, by express.**

COCCINEA HYBRIDS

An entirely distinct type of Clematis, the result of crosses between C. Coccinea and Star of India, combining all the good points of their parents in hardiness, vigorous robust growth, and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

Countess of Onslow. Bright violet-purple, with a broad band of scarlet through the center of each petal.

Duchess of Albany. A beautiful bright pink; deeper in the center.

Duchess of York. A delicate and pleasing shade of pale pink.

Grace Darling. A very pretty, bright, rosy carmine.

Strong plants, **each 60c; 3 for $1.60, by express.**

LARGE FLOWERING CLEMATIS

VARIOUS CLEMATIS—Continued

Crispa. Fine, deep blue, with a white border and deliciously fragrant. **Each 20c; 3 for 50c; 12 for $1.50, by express.**

Integrifolia Durandi. Flowers bright blue, flowering from June to fall. Non-climbing habit, good for low fences. **Each 50c, by express.**

Montana Rubens. This beautiful hardy new Clematis begins to bloom early in June when a profusion of soft rosy-red blooms resembling those of the Japanese Anemone are produced. As the flowers are borne on the young wood, they appear more or less freely until frost. Strong plants, **each 75c; per doz., $7.50, by express.**

Viticella Purpurea Plena Elegans. (New.) A rapid grower with small double purple flowers. Strong plants 3 years old, **each 50c., by express.**

ARISTOLOCHIA (Dutchman's Pipe)

VAUGHAN'S "SHADY SIDE" 109 A

CLIMBER COLLECTION FOR 1914.

Each plant is suitable for planting on the north side of any building where sunlight is not strong.

Clematis Jackmanii.
Honeysuckle Heckrotti.
Aristolochia (Dutchman's Pipe).
Akebia Vine.
Celastrus (Bitter Sweet).
Boston Ivy.

1 each: All strong 2 yr. plants for **$1.50 by express.**

VAUGHAN'S "SUNNY SIDE" 109 B

CLIMBER COLLECTION FOR 1914.

Each plant is suitable for planting in full sunlight.

Bignonia (Trumpet Creeper).
Matrimony Vine.
Clematis (Japanese Clematis).
Ampelopsis (Virginia Creeper).
Honeysuckle, Scarlet Trumpet.
Periploca (Silk Vine).

1 each: All strong 2 yr. plants for **$1.25 by express.**

We send out healthy stock of this class of plants and cannot entertain any complaints on account of their not growing.

BIGNONIA RADICANS (Trumpet Vine)

COBAEA SCANDENS

LOUISIANA, MISSOURI: — "Plants arrived today—a fine lot of plants—and in excellent condition. Thanks."
A. T. HEDELSON.

WISTARIA

MATRIMONY VINE

HARDY CLIMBERS—Continued

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage almost all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost evergreen sort, flowers pure white, changing to yellow. July to November.

Strong 2-yr. old vines, **each 35c; 3 for $1.00; doz. $3.50 (exp.).**
Heavy 3-yr. old vines, **each 50c; 3 for $1.35; doz. $5.00 (exp.).**

HOP VINE (Humulus Lupulus)

A useful climber for covering unsightly places. **Each 10c; doz. 85c; 100 $6.00, postpaid.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, **postpaid, each 15c; doz. $1.50.** Extra size roots, **each 25c; doz. $2.50 (exp.).**

KUDZU VINE (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Small roots, **each 15c; 3 for 40c, postpaid.** Larger roots, **each 25c; 3 for 65c (exp.).**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-yr. old plants, **each 25c; doz. $2.50;** 3-yr. old, **each 35c; doz. $3.50;** 4-yr. old, **each 50c; doz. $5.00 (exp.).**

VITIS

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. **Each 25c; 3 for 70c; doz. $2.50 (exp.).** 3-yr., extra heavy, **each 35c; 3 for $1.00; doz. $3.50 (exp.).**

Vitis Heterophylla. Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 2-yr., **each 50c;** 3-yr., **each 75c (exp.).**

WISTARIA

Sinensis. Long clusters of purple flowers, 2-yr. old plants, **each 50c (exp.).**
Alba. Flowers white, in drooping racemes. Large plants, 3-yr., **75c (exp.).**
Magnifica. Clusters of purple-lilac flowers. Price, 2-yr., **35c;** 3-yr., **50c;** 4-yr., **75c (exp.).**

HALF HARDY OR

AIR POTATO. (Dioscorea). A slender Vine of rapid graceful growth, producing a thick foliage of heart shaped leaves of a beautiful glossy green, large and showy. Small white flowers in drooping racemes give way to small potato-like tubers in the axils. These and the roots may be stored over winter like the Dahlias.

	Each	Doz.	100
Small size	$0.10	$0.75	
Large size	.15	1.50	

COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower.

3 in. pots	.20	2.00	$15.00
4 in. pots	.30	3.00	

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases.

	.15	1.25	8.00
4 in. pots	.25	2.50	18.00

IVY, German (Parlor Ivy).

2 in. pots	.15	1.25	8.00
3 in. pots	.20	1.75	12.00

MOONFLOWER. Blue (Ipomoea Learii). A beautiful satiny blue

	.15	1.50	10.00
3 in. pots	.20	2.00	15.00

White. Large flowers. Small plants

	.15	1.50	10.00
Larger plants	.25	2.50	18.00

MEXICAN MORNING GLORY ROOTS

SUMMER VINES

MEXICAN MORNING GLORY. (Ipomoea Paniculata). A grand climber, palmate leaves of a deep green. Flowers are a handsome shade of pink, darker in throat. Treat roots like Dahlias. Larger roots

	Each	Doz.	100
	$0.25	$2.50	$18.00
	.40	4.00	

MADEIRA VINE. A popular climber. Strong tubers

	.05	.40	2.50

SMILAX. Fine for festoons and other decorations

	.10	1.00	6.00

VINCA Major Variegata. For hanging baskets and vase. 3 in. pots

	.20	2.00	15.00
4 in. pots	.25	2.50	18.00
5 in. pots	.35	3.50	

Minor (Grave Myrtle.) Evergreen

	.15	1.50	10.00

WEEPING LANTANA. A trailing sort for vases and hanging baskets. Delicate rosy, lilac flowers borne freely summer and winter. **Each 15c; 3 for 40c; doz. $1.25.**

SAN ANTONIO, TEXAS. I wish to tell you about the vine you call Jack-and-the-Bean-Stalk. The vine is one of the grandest growers I have ever known. Such climbing and running is laughable, it is a delight to "watch it grow." MRS. E. E. COLLINS.

DOUBLE NASTURTIUM—Fine 2-in. pot plants, each 20c; 3 for 50c; per doz. $2.00

HARDY PERENNIALS

Hardy Perennials, better known as "Old Fashioned Garden Flowers," are yearly making rapid strides in popularity and it is not to be wondered at when we consider the many uses for them. We carry a large tock of these old fashioned flowers, also many new ones which are improvements on existing sorts or new introductions entirely.

A properly planted and cared for border of hardy plants can be one of the main features of the home grounds for, by a judicious selection, blooms may be had in it from the melting of the snow until frost sets in.

It is always advisable to have a planting plan, no matter how crude, and arrange on paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting the list below. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible. A small number of varieties well arranged are more satisfactory than the whole planted with one of a kind of many varieties.

Parties ordering for the first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience.

Bearing in mind that the plants must remain as set for several years, it is as well to make a thorough preparation. Have the ground in good tilth before doing any planting. Spade in a liberal quantity of well rotted manure in the fall before, if convenient.

Planting should be commenced as early as possible in the spring usually about ten days after the frost is out of the ground. The soil is then in good condition. By planting early, the plants have a chance to become established before the hot weather sets in, and will then give better satisfaction the first year. Do this work carefully and cultivate thoroughly afterwards. Pains taken in this direction will be amply repaid.

MALLOW MARVELS

NEW AND CHOICE PLANTS

ACHILLEA Perry's White. A novelty of great merit, the most useful for cutting or horder decoration yet introduced. This supersedes all older varieties, flowers over an inch across, snow white, hroad overlapping petals. Exhibited first time Sept. 10th, 1912, R. H. S., and received unanimous Award of Merit. A number of experts agree that for cutting purposes there is nothing to equal it. **Each 50c; doz., $5.00.**

ANCHUSA Myosotidiflora. A distinct new species of dwarf habit not growing over 12 in. high, and producing during April and May, graceful panicles of hright blue Forget-me-not-like flowers. Native to the Caucasus Mountains. **Each 50c; doz., $5.00.**

NEW MICHAELMAS DAISIES

ASTER Amellus, Beauty of Ronsdorf. One of the most refined of the summer-flowering Hardy Asters. Flowers single, 2¼ inches across, of good form, bornr in large clusters on stems about 20 inches high. Color lilac-rose, splendid for borders and cut flowers. Sept.-Oct. **Each 35c; doz., $3.50.**

ASTER Amellus, Emma Bedau. Plants, bushy, 18 inches high, flowers borne in large clusters and of the most intense ultramarine-blue, more brilliant than in any other blue Aster. Splendid for cut. Sept.-Oct. **Each 35c; doz., $3.50.**

ASTER Amellus, Otto Rudolph. Flowers of good form, bright dark lilac, medium sized, borne on strong stems 24 to 30 inches high. Sept.-Oct. **Each 35c; doz., $3.50.**

ASTER Novii Belgii, Silver Star (Silberstern). Flowers large, star-shaped, pure white, produced in endless profusion, Height, 3 ft. Sept.-Oct. **Each 35c; doz., $3.50.**

BETONICA Grandiflora Superba (Woundwort). One of the showiest and most beautiful dwarf growing perennials for rock gardening and for bordering. Furnished from May throughout the season with attractive spikes of deep purple flowers and a very dense, neat and downy foliage. A native of Siberia, hardy in this country and thrives in most any soil. **Each 20c; doz., $2.00.**

CHRYSANTHEMUM Arcticum. (The Arctic Daisy.) A most desirable autumn-blooming perennial. The plants are about 2 ft. in height and produce their beautiful single white flowers in September in greatest ahundance, continuing until October, and sometimes to November. The flowers are 2 to 2½ inches in diameter and resemble Shasta Daisies. Perfectly hardy. **Each 20c; doz., $2.00.**

NEW DELPHINIUMS (Larkspurs)

Amos Perry. Semi-double flowers, of large size, rich rosy-mauve, flushed with sky-blue, conspicuous hlack eye. **Each 50c; doz., $5.00.**

Corry. Flowers double and of a most fascinating sky-blue; very desirable. **Each 50c; doz., $5.00.**

Duke of Connaught. Bright velvety blue, inner petals rosy-lavender, two rows of petals. The eye is almost black giving the flowers which are large, a distinct appearance. **Each 50c; doz., $5.00.**

Lamaratine. A very distinct and handsome variety. Flowers rich gentian-blue with a white center. **Each 50c; doz., $5.00.**

Lize Van Veen. Beautiful tall, well-branched spikes with single flowers of enormous size and good substance; color pure sky-blue. One of the best. **Each 50c; doz., $5.00.**

Moerheimi. The first pure white Delphinium and one of the best novelties introduced in years. It grows 4 to 5 ft. high and flowers more continuously than any other Delphinium. It is a decided acquisition and should he valuahle for cut flower purposes. **Each 50c; doz., $5.00.**

Theodora. Elegant, loosely arranged spikes of large, cornflower-blue flowers. **Each 50c; doz., $5.00.**

Zuster Lugten. Double dark bluc, well-formed flowers, which are flat and of good size. A very strong grower. **Each 50c; doz., $5.00.**

DAISY (Shasta), Ostrich Plume. A semi-double form of the Shasta Daisy, with long, pure white petals. The flowers are large and are borne on stems from 18 to 24 inches long. **Each 25c; doz., $2.50.**

DAISY (Shasta), Burbank's New Semi-Double. This is an everblooming variety, with semi-double snowy white flowers, flowering throughout the whole summer. Exceptionally fine for cutting. 2 ft. **Each 20; doz., $2.00.**

NEW GAILLARDIAS

Gaillardias require a sunny location and do well in sandy soil.

GAILLARDIA Friendship. Flowers large, yellow, with a narrow crimson zone. **Each 25c; doz., $2.50.**

GAILLARDIA Lady Rolieston. Flowers very large, 3 to 4 inches across, of a clear yellow; stems long and strong. A most desirable cut flower. **Each 25c; doz., $2.50.**

GAILLARDIA Masterpiece. Flowers brilliant crimson with a very small golden yellow margin; an exceedingly fine variety. **Each 25c; doz., $2.50.**

GEUM Coccineum Mrs. Bradshaw. A splendid new variety with large, double flowers of a striking fiery red color; very free flowering. **Each 25c; doz., $2.50.**

HEMEROCALLIS Florham. A fine new hybrid of American origin, with large and beautifully frilled flowers of rich yellow, growing about 3 ft. in height and blooming in July and August. **Each 25c; doz., $2.50.**

MALLOW MARVELS

Tall, free flowering, perfectly hardy plants with remarkably large and showy flowers. They thrive in moist loamy soils and are very valuable border plants, producing throughout a long period numerous mammoth flowers sometimes 6 to 8 in. across. They are also very effective when planted on the banks of pools, either in combination with shrubs or with other herbaceous plants.

Mallow Marvels. Mixed colors. **Each 30c; doz., $3.00.**

Mallow Marvels. Red, Pink or White. Each 35c; doz., $3.50.

OENOTHERA (Evening Primrose) Eldorado. An excellent new hardy perennial. Makes large bushes of fine brown-red foliage which are covered with golden yellow flowers consisting of 2 or 3 rows of curled petals throughout the entire summer, forming a beautiful contrast with the brown foliage. **Each 25c; doz., $2.50.**

PAPAVER (Oriental Poppy) Mrs. Perry. Very distinct and beautiful. Flowers of enormous size, color a unique shade of orange-apricot. **Each 25c; doz., $2.50.**

PAPAVER Oriflamme. A glorious Poppy growing 3 ft. high and producing enormous flowers, 10 inches across, of a glowing orange scarlet. **Each 25c; doz., $2.50.**

PAPAVER Princess Ena. Distinct in color from any other, being a light orange-salmon. Flowers of medium size, splendid in form and freely produced. **Each 25c; doz., $2.50.**

PHLOX Pilosa Splendens. From 12 to 15 inches high producing great masses of brilliant rosy-carmine flowers. It hlooms at the same time as Phlox Divaricata making a splendid companion to it. A very effective sort. **Each 25c; doz., $2.50.**

PHLOX Maculata Alba. The White Wild Sweet William. Grows 2 or 3 ft. high; slender, with good-sized panicles of white flowers. It thrives in the shade of deciduous trees. **Each 25c; doz., $2.50.**

SALVIA Azurea Grandiflora. A most charming species with delicate blue flowers in August. Of easy culture and coming at a time when blue flowers are scarce in the perennial border. **Each 25c; doz., $2.50.**

SALVIA PITCHERI. Similar to the above but with more branching habit and larger flowers. Height 3 to 4 ft. and hlooming in September and October when few other blue perennials are in hloom. A very desirable variety. **Each 25c; doz., $2.50.**

SWEET WILLIAM. Sutton's Scarlet, Carmine Beauty and **Double Pink,** 3 charming new varieties. **Each 15c; doz., $1.50.**

THALICTRUM Dipterocarpum. A new introduction of great merit, the inflorescence is particularly graceful attaining the height of 5 to 6 ft. The individual flowers which are of a rosy purple color contrast beautifully with the citron yellow of the numerous anthers. **Each 30c; doz., $3.00.**

TRITOMA OPHIR (Flame Flower, Torch Lily or Redhot Poker Plant). Long handsome spikes of rich orange-yellow flowers. 4 ft. **Each 35c; doz., $3.50.**

Read what we say of "Hidden Values in Seeds" on inside of back Cover Page.

ANEMONE JAPONICA

Hardy Perennial Plants

A General Collection

Regarding Prices

Where price per "each" is **15c**, we furnish.....**3 for 40c**
Where price per "each" is **20c**, we furnish.....**3 for 50c**
Where price per "each" is **25c**, we furnish.....**3 for 65c**

All orders are forwarded upon receipt, unless otherwise instructed to the contrary. Customers will kindly state at the time of ordering when goods are to be shipped.

Of all varieties marked with an asterisk (*) we can supply larger clumps at a 50% increase in price, by express only.

Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own

We cannot furnish list of varieties in these collections but will send out everything labelled.

No. 21—Hardy Plants **25** first-class plants in variety for **$3.00**
No. 22— " " **50** " " " " " " **5.00**
No. 23— " " **100** " " " " " " **9.50**
No. 24— " " **250** " " " " " " **23.00**
No. 25— " " **500** " " " " " " **45.00**
No. 26— " " **1000** " " " " " " **85.00**

AQUILEGIA (Columbine)

Botanical Name.	Common Name.	Flowering Period	Color.	Height.	Each	Doz.	Use, Soil, Position, Etc.
ACHILLEA	Milfoil. Yarrow.						
*Eupatorium		All Summer	Yellow	4-5 ft.	15c	$1.50	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting, especially The Pearl. Perry's White is a new and improved form of Boule de Niege, the flowers being much larger and of the purest white.
*Millefolium Roseum		June-Aug	Pink	2 ft.	15c	1.50	
*Parker's Variety		June-Aug	Yellow	4-5 ft.	15c	1.50	
Ptarmica Boule de Neige	(Ball of Snow)	June-Aug	White	2 ft.	15c	1.50	
Perry's White	(New)	June-Aug	White	2 ft.	50c	5.00	
The Pearl		June-Aug	White	2 ft.	15c	1.50	
ACONITUM							Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. The Wilsoni variety is a novelty recently introduced from China. The graceful flower spikes attain a height of about 6 feet, and produce many fine pale blue or violet flowers. It blooms from the beginning of September until the end of October. Fisheri is a dwarf variety not growing over 3 feet high with glistening foliage and bright blue flowers. Spark's variety is a very rare plant and darkest blue of all.
Autumnale	Monk's Hood or Helmet Flower.	September	Deep Purplish Blue.	4 ft.	25c	2.50	
Fisheri	"	Sept.-Oct.	Light Blue.	3 ft.	25c	2.50	
Napellus	"	Aug.-Sept.	Dark Blue.	4 ft.	25c	2.50	
Bicolor	"	Aug.-Sept.	Blue and White.	2½ ft.	25c	2.50	
Spark's var	"	Sept.-Oct.	Dark Blue.	5 ft.	25c	2.50	
Wilsoni	"	Sept.-Oct.	Pale Blue or Violet.	6 ft.	25c	2.50	
ACTAEA							A native plant, with long, feathery racemes; requires a shady place. The flowers are followed by clusters of black berries.
Japonica	Baneberry	Sept.-Oct.	White	2½ ft.	25c	2.50	
ADONIS							A very beautiful, rare, spring flowering perennial for shady situation, flowers double yellow, with green center. A desirable novelty.
Amurensis Fl. Pl	Pheasant's Eye	April-May	Dble. Yellow	1 ft.	50c	5.00	
AJUGA							Useful for rockery and ground carpet, especially in places too shady for grass.
Reptans Atropurpurea	Bugleweed	May	Blue to Rose	3 to 6 in.	15c	1.50	
ALYSSUM	Madwort						Showy spring flowering plants. Valuable for front row in border or rock garden. The double variety is a special favorite.
Saxatile Compactum	Gold Dust	May-June	Golden Yellow	1 ft.	15c	1.50	
Saxatile Fl. Pl		May-June	Golden-Yellow	1 ft.	25c	2.50	
AMSONIA	Amsonia						Very pretty with terminal panicles of pale blue flowers with a white throat. Half shady position best.
Salicifolia		Light Blue		2 ft.	20c	2.00	
ANCHUSA							Forget-Me-Not like, blue flowers, borne in great profusion. Dropmore Variety is one of the best blue perennials, coming into bloom before the Delphiniums, and continuing in flower throughout the summer.
Italica (Dropmore Variety)		May-June	Blue	5-6 ft.	25c	2.50	
Myosotidoflora		May-June	Blue	12 in.	50c	5.00	
ANEMONE	Windflower						Anemones are valuable hardy plants for the decoration of the garden and for cut flower purposes. Canadensis is a pretty native windflower growing 12 to 15 inches high producing its white flowers in profusion throughout the summer. The Japanese varieties are valuable plants for the fall. They like a good rich soil, and although they will do well in sunny situations if the soil is moist, they do best when planted in partial shade. They should be left undisturbed for years as it is only when they are well established that they are seen in their full beauty.
Canadensis		June-Aug	White	1 ft.	15c	1.50	
Sylvestris	Snowdrop Windflower	May-June	Single White	6-8 in	15c	1.50	
Sylvestris Fl. Pl	Snowdrop Windflower	May-June	Double White	6-8 in	25c	2.50	
Japonica							
Alice		Aug.-Nov	Carmine Pink, Dbl.	3 ft.	25c	2.50	
Geante des Blanches		Aug.-Nov	White	2-3 ft.	25c	2.50	
Honorine Joubert		Aug.-Nov	Snow White	2-3 ft.	15c	1.50	
Kriemhilde		Aug.-Nov	Rose Carmine	2-3 ft.	25c	2.50	
Prince Henry		Aug.-Nov	Dark Red	2-3 ft.	15c	1.50	
Queen Charlotte		Aug.-Nov	Double Pink	2-3 ft.	15c	1.50	
Rosea Superba		Aug.-Nov	Rose	2-3 ft.	15c	1.50	
Whirlwind		Aug.-Nov	Double White	2-3 ft.	15c	1.50	
ANTHEMIS	Marguerite.						These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow, Tinctoria being of a lighter shade than Kelwayi; both are very floriferous.
Kelwayi		May-July	Yellow	1 ft.	15c	1.50	
Tinctoria		June-Sept	Lemon Yellow	2 ft.	15c	1.50	
AQUILEGIA	Columbine.						The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They are much prized also for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting.
Canadensis		June-Aug	Red and Yellow	2 ft.	15c	1.50	
Chrysantha	Spurred	June-Aug	Golden Yellow	3 ft.	15c	1.50	
Alba	Spurred	June-Aug	Pure White	2 ft.	15c	1.50	
Coerulea	Spurred	June-Aug	True Blue	1 ft.	15c	1.50	
Hybrida	Spurred	June-Aug	Mixed	1 ft.	15c	1.50	
Nivea Grandiflora		June-Aug	White	2 ft.	15c	1.50	
Rose Queen	Spurred	June-Aug	Beautiful Pink	1 to 1½ ft.	20c	2.00	
Vulgaris Alba Fl. Pl		June-Aug	Double white	2 ft.	15c	1.50	
Long Spurred Mixed		June-Aug		1½ to 2 ft	15c	1.50	

Vaughan's Novelties and Choice Varieties of Greenhouse and Garden Plants will be found on Page 92

ACHILLEA PTARMICA

For Prices of 3 and 12 of a Kind—
See Page 125

ARTEMISIA

BOLTONIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ARABIS							
Alpina	Rock Cress	April-May	White	6 in	15c	$1.50	Arabis thrive well in a hot, dry situation and make a good covering for walls or rock garden, also front row in hardy border. They come into bloom very early and can be planted in beds filled with Hyacinths and Tulips in Fall.
Flore Pleno		April-May	White	6 in	25c	2.50	
ARMERIA	Thrift.						
Formosa		June	Pink	9 in	15c	1.50	Armerias require a good drained loam. A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
Laucheana					15c	1.50	
ARTEMISIA	Southern Wood						
***Abrotanum**	or Old Man	June		2-3 ft	15c	1.50	A useful class of plants either for the perennial border or the shrubbery. The variety Lactiflora is especially desirable, producing long, graceful panicles of creamy white flowers.
Lactiflora		Sept.-Oct	White	4-4½ ft	25c	2.50	
ASCLEPIAS							
Tuberosa	Butterfly-Weed	June-Aug	Bright Orange	2 ft	15c	1.50	Requires good, deep soil and full sun. Fine for cutting; should be in every collection for its splendid color.
ASPERULA	Waldmeister						
Odorata	Sweet Woodruff	May	White	6 in	20c	2.00	Waldmeister is used for May wine. Creeping plant with hay-scented leaves; suitable for planting in shade, shrubbery or woodland.
ASTER (Hardy)	Blue Mountain Daisy						
Alpinus Superbus		May-Aug	Blue	7 in	15c	1.50	Dwarf species, with large, bright purple flowers. Fine for rockeries and mixed borders.
Goliath	New	Aug.-Sept	Violet Purple	1 ft	25c	2.50	
ASTER (Hardy)	Michaelmas Daisy						
Acris	or Starwort	Aug.-Oct	Soft Blue	1½ ft	15c	1.50	These are amongst the showiest of our hardy perennials coming into bloom at a time when most other flowers are on the wane. They will succeed in any good garden soil. The varieties we offer are the best for all purposes, the inferior sorts being eliminated. There is a quiet beauty about these Starworts which is charming in the Autumn days, and their variety of color, of form and of bud and blossom is delightful. Even when not introduced into the flower garden they should always be grown for cutting. Nothing can equal them for naturalizing along woodland drives. They are also excellent for forming bold groups to cover the bare ground amongst newly planted shrubs. A few more new ones have recently come under our notice, and we are including them this year for the first time. We mention Perry's Favorite, a charming rosy lavender, Beauty of Ronsdorf lilac rose, with enormous flowers; Emma Bedau, the deepest violet color yet introduced, darker than "Preziosa" and "Ultramarine." Otto Rudolph and Hybrid Silberstern are also worthy of consideration.
Amellus Beaute Parfaite		July-Aug	Blue	1 ft	25c	2.50	
Beauty of Ronsdorf	New	July-Aug	Lilac-rose	3 ft	35c	3.50	
Beauty of Colwall	New	Sept.-Oct	Double Lavender	4 ft	25c	2.50	
Emma Bedau	New	Aug.-Sept	Ultra-marine Blue	2½ ft	35c	3.50	
Hybrid Silberstern	New	Sept.-Oct	Pink White	3 ft	35c	3.50	
Otto Rudolph	New	Sept	Dark Lilac	3½-4 ft	35c	3.50	
Perry's Favorite	New	Sept	Lavender	1½ ft	35c	3.50	
Preziosa	New	August	Deep Blue	2 ft	25c	2.50	
Cordifolius		September	Blue	4 ft	20c	2.00	
Grandiflorus	New	July-Aug	Large Dark Blue	1½ ft	25c	2.50	
Ibericus Ultramarine	New	Aug.-Sept	Very Dark Blue	2 ft	25c	2.50	
Laevis Mt. Blanc		June-July	White	2 ft	15c	1.50	
Laevis Pulcherrimus		Sept.-Oct	Pale Lilac	5 ft	25c	2.50	
Mesa Grande Speciosa Grdfl	New	July-Aug	Dark Blue	2 ft	25c	2.50	
Novae Angliae		Sept.-Oct	Purplish Blue	3 ft	15c	1.50	
Novae Belgiae Glory of Nancy		Sept.-Oct	White	30 in	20c	2.00	
Ryecroft Pink		Sept.-Oct	Rosy Carmine	4 ft	25c	2.50	
St. Egwin		August	Pure Pink	3 ft	25c	2.50	
Sub-Coeruleus		June-July	Bluish Violet	1 ft	15c	1.50	
White Dwarf Queen		Sept.-Oct	Large White	3 ft	15c	1.50	
ASTILBE							
Pink Pearl	Goats Beard	August	Pink	2 ft	25c	2.50	Thick pyramidal spikes of beautiful pearly pink flowers blooming in early August. Very fine.
BAPTISIA							
Australis	False Indigo	June-July	Dark Blue	2½ ft	15c	1.50	Strong growing plant suitable for specimen in border, dark green foliage deeply cut, requires full sun and deep loam.
BELLIS							
Perennis	English Daisy	April-June	Pink or White	6 in	10c	1.00	Valuable for edging beds or clumps in front of border.
BETONICA							
Grandiflora Superba	Woundwort	June	Deep Purple	1 ft	20c	2.00	Large Penstemon-like flowers, fine for cutting. A showy dwarf plant, for rock gardens and borders. Dense foliage. Very hardy.
BLEEDING HEART	Dielytra Spectabilis	May-June	Pink	2½ in	15c	1.50	Flowers and foliage, very pretty. Graceful pendulous sprays of pink heart-shaped flowers, If lifted in the fall and potted, forces well with gentle heat.
BOCCONIA							
Cordata	Plume Poppy	July-Aug	Creamy White	6 ft	15c	1.50	A beautiful tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large perennial beds. Will thrive in ordinary garden soil.
BOLTONIA	False Camomile						
***Asteroides**		July-Oct	White	4 ft	15c	1.50	These Aster-like hardy plants are useful for cutting especially the Latisquama type, remaining in bloom a long time; require good rich soil and an open situation in border or shrubbery.
***Latisquama**		July-Oct	Pink	3 ft	15c	1.50	

For Vaughan's Novelties and Specialties in Vegetables, Flower Seeds and Bulbs, See pages 2 to 16.

CAMPANULA—Canterbury Bell

SHASTA DAISY

COREOPSIS LANCEOLATA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
CALSYTEGIA							
Pubescens Fl. Pl		June-Sept.	Pale Pink	12 ft.	15c	$1.50	A charming climbing plant.
CAMPANULA	Bell Flower						
Carpatica	Harebell	June-Aug.	Blue	1 ft.	15c	1.50	A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being as a rule, not difficult to cultivate. The Canterbury Bell is familiar and an old favorite, and is to be had in many colors. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height The Canterbury Bells are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants and the new double white variety Moerheimi is especially good, producing large spikes of double Camellia-like flowers from the middle of May until late in July. Pyramidalis is a tall growing species sending up its stalks of bloom 5 to 6 feet in height during August and continuing to bloom for six weeks or more. This variety makes splendid specimens for piazza decoration if grown in large pots or tubs.
Alba		June-Aug.	White	1 ft.	15c	1.50	
Lactiflora		June-Aug.	Soft Blue	3 ft.	20c	2.00	
Latifolia Macrantha		June-Aug.	Dark Blue	3-4 ft.	20c	2.00	
Medium	Canterbury Bells	June-Aug.	Mixed	2 ft.	15c	1.50	
Blue		June-Aug.	Blue	2 ft.	15c	1.50	
Pink		June-Aug.	Pink	2 ft.	15c	1.50	
White		June-Aug.	White	2 ft.	15c	1.50	
Calycanthema	Cup and Saucer	June-Aug.	Mixed	2 ft.	15c	1.50	
Blue		June-Aug.	Blue	2 ft.	15c	1.50	
Pink		June-Aug.	Pink	2 ft.	15c	1.50	
White		June-Aug.	White	2 ft.	15c	1.50	
Persicifolia	Peach Bells		Blue	2 ft.	15c	1.50	
Alba		June-Aug.	Pure White	2 ft.	15c	1.50	
Moerheimi		May-Sept.	Double White	2 ft.	25c	2.50	
Pyramidalis	Chimney Bellflower	September	Blue	4 ft.	20c	2.00	
Alba		September	Pure White	4 ft.	20c	2.00	
Trachelium Coeruleum	Nettle-leaved Campanula	July-Aug.	Blue	2-3 ft.	15c	1.50	
CANTERBURY BELLS.	See Campanula Medium.						
CENTAUREA	Hardheads or						
Montana Mixed	Knap Weed	July-Sept.	Blue and White	18 in.	15c	1.50	Good border plants bearing thistle-shaped flowers of value for cut flowers, which last a long time in water; will grow in any soil.
Pulcherrima		July	Bright Rose	2½ ft.	25c	2.50	
Ruthenica		July-Sept.	Pale Yellow	3 ft.	15c	1.50	
CENTRANTHUS							
Ruber	Jupiter's Beard or Red Valerian	May-Aug.	Deep Red	2-3 ft.	15c	1.50	Good for border and the rock garden; will thrive anywhere even in a very dry situation.
CERASTIUM							
Tomentosum	Snow in Summer	May	White	8 in.	15c	1.50	Silvery foliage, fine for graves, steep banks and dry places; also formal gardens.
CHIVES			Mauve	2 ft.	10c	1.00	Chiefly used for culinary purposes.
CHRYSANTHEMUM							
Maximum (Type)	Moon Penny Daisy	June-July	White	2 ft.	15c	1.50	Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well when cut. They are perfectly hardy and thrive in any soil.
Arcticum		June-July	White	2 ft.	20c	2.00	
Larsoni (New)		June-Sept.	White	2 ft.	20c	2.00	
Mrs. Chas. Lothian Bell		May-Sept.	Pure White	2 ft.	20c	2.00	
CIMICIFUGA							
Americana	Snake Root	Aug-Sept.	White	2-3 ft.	25c	2.50	Valuable plants for the border by reason of their late flowering, beginning in September and continuing in flower throughout October. The flowers which are white are produced on dense spikes on stems ranging from 2½ to 3 feet high. They succeed well in the shade.
Dahurica		July-Sept.	Creamy White	3 ft.	30c	3.00	
Simplex		Sept-Oct.	White	3 ft.	50c	5.00	
CLEMATIS							
Recta	Shrubby Clematis	June-July	Pure White	2¼ ft.	25c	2.50	Good for covering large rocks or tree stumps. Will thrive in any good place with deep soil. Sweet-scented and can be used as a cut flower.
Recta Fl. Pl.,	New double		White		50c	5.00	
COREOPSIS	Tickseed						
Lanceolata		May-Oct.	Yellow	2 ft.	15c	1.50	One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form. They are indispensable for cut flower purposes.
Oculata		May to Oct.	Yellow, brown eye	2 ft.	20c	2.00	
Rosea		June-Sept.	Pink	1 ft.	15c	1.50	
DAISY	English Bachelor's Button						
Mammoth Pink or White		All Summer	Pink or White	6 in.	10c	1.00	Indispensable for edging beds, borders or graves; will grow in any soil, but prefer a partially shaded situation.
DAISY (Shasta)							
Shasta Improved		May-Oct.	White	2 ft.	15c	1.50	Burbank's new semi-double is overblooming, with semi-double flowers, flowering throughout the whole season. Exceptionally fine for cutting. The Anemone-flowered is also a very fine thing, the petals being produced in a double row.
Ostrich Plume		May-Oct.	White	2-3 ft.	25c	2.50	
Semi-plenum (Burbank's)		All Summer	White	2 ft.	20c	2.00	
Anemone-flowered		May-Oct.	White	2 ft.	20c	2.00	

Vaughan's Canna "Firebird" is the most genuine novelty of its color ever offered

DELPHINIUM (Double)

DIELYTRA SPECTABILIS (Bleeding Heart)

DIGITALIS (Foxglove)

Botanical Name	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
DELPHINIUM	Perennial Larkspur						
Belladonna		May-Sept.	Sky Blue	2 ft.	25c	$2.50	Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which we are this year introducing some of the newest and best. We should like to say a word or two in praise of a special few—Amos Perry (semi-double) long, loose spikes of a beautiful blue and heliotrope. Corry, sky blue and red, a splendid variety; Duke of Connaught, a grand variety, large flowers a pleasing shade of clear blue and rosy-lavender; Lize Van Veen, flowers fully 3 in. across, rich Cambridge blue, with snow-white eye, forms immense spikes. Other sterling varieties listed this year for the first time are Lamartine, Theodora, and Zuster Lugten.
Semi Plena	Semi Double	May-Sept.	Sky Blue	2 ft.	50c	5.00	
Capri	New	June-Aug.	SkyBlue	3-4 ft.	50c	5.00	
Chinense		June-Aug.	Light Blue	3 ft.	15c	1.50	
Album		June-Aug.	White	3 ft.	15c	1.50	
Cineraria Blue	New	June-Aug.	True Blue	2 ft.	20c	2.00	
Formosum		July-Sept.	Deep Blue White Eye	4 ft.	15c	1.50	
Coelestinum	Pillar of Beauty	July-Sept.	Sky Blue	3-4 ft.	15c	1.50	
Named Hybrids							
Amos Perry (New)		July-Aug.	Rosy Mauve	4 ft.	50c	5.00	
Corry (New double)		July-Aug.	Sky Blue and Red	3 to 4 ft.	50c	5.00	
Duke of Connaught (New)	Semi-double	July-Aug.	Blue and Rosy-lavender	4 ft.	50c	5.00	
J. S. Brunton		June-Aug.	Sky Blue	3-4 ft.	35c	3.50	
King of Delphiniums (New)		July-Aug.	Indigo Blue, White Eye	4 ft.	50c	5.00	
Lamartine (New)		July-Aug.	Dark Blue	3 ft.	50c	5.00	
Lize Van Veen (New)		June-Aug.	Pure Light Blue	4 ft.	50c	5.00	
Moerheimi (New)		June-Oct.	White	4-5 ft.	50c	5.00	
Mrs. Thompson		July-Aug.	Clear Blue, White Eye	3 ft.	25c	2.50	
Persimmon (New)		July-Aug.	Sky Blue White Eye	4 ft.	50c	5.00	
Theodora (New)		July-Sept.	Cornflower-blue	3 to 4 ft	50c	5.00	
Zuster Lugten (New)	Double	June-Aug.	Dark Blue	3 to 4 ft.	50c	5.00	
Gold Medal Hybrids		July-Aug.	Mixed	4 ft.	15c	1.50	
DIANTHUS Barbatus	See Sweet William						
DIANTHUS	Hardy Garden Pink.						
Abbotsford		May-June	Double Pink	12 in.	20c	2.00	These very desirable sweet-scented, low growing, early blooming and free flowering Hardy Garden Pinks are unequaled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation. We would especially call attention to our Improved Napoleon III which although a dark red produces large flowers on good long stiff stems and resembles a good dark red carnation. It is perfectly hardy and is better than any hardy carnation known.
Plumarius Cyclops		May-June	Mixed	15 in.	15c	1.50	
Countess Knut (New)	Large Flowered	May-July	Pink		30c	3.00	
Delicata (New)		May-June	Silvery Mauve	12-18 in	25c	2.50	
Diadematus		May-July	Single Mixed		15c	1.50	
Harlequin			Single Mixed		15c	1.50	
Her Majesty		May-June	Pure White	12 in.	15c	1.50	
Perfection	May-June		Dble. White, Crimson Center	12 in.	20c	2.00	
Double Mixed		May-June	Mixed	12 in.	15c	1.50	
Single Mixed		May-June	Mixed		15c	1.50	
Latifolius Atro-Coccineus Plenus		May-June	Dble. Fiery Crimson	15 in.	15c	1.50	
Napoleon III Improved		May-Oct.	Double Dark Red	2 ft.	25c	2.50	
Early Double Pink		May-June	Pink	15 in.	20c	2.00	
Semperflorens Mixed		June-Aug.	Mixed	15 in.	15c	1.50	
DICTAMNUS							An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.
Caucasicus	Gas Plant	June-July	Rosy Pink	2½ ft.	25c	2.50	
Fraxinella		June-July	Pink	3 ft.	15c	1.50	
Alba		June-July	Pure White	2½ ft.	15c	1.50	
DIELYTRA			Pink				So-called from its drooping heart-shaped flowers; will thrive in any part of the hardy border; good for forcing in pots and planting in shady places; likes rich, sandy loam.
Spectabilis	Bleeding Heart	May-June	Heart Shaped	2 ft.	15c	1.50	
DIGITALIS	Foxglove						This old-fashioned summer-flowering plant, commonly known as Foxglove, thrives in almost any soil under all conditions; makes a fine plant for the back of borders or grouping in beds; prefers a light, sandy loam.
Ambigua		July-Aug.	Yellow	3 ft.	15c	1.50	
Gloxiniaeflora		July-Aug.	Pink, Purple White or Mixed	4 to 5 ft.	15c	1.50	
Lanata		June-Aug.	Creamy White	2-3 ft.	15c	1.50	
Maculata Iveryana		July-Aug.	Spotted vars.	3 ft.	15c	1.50	
DORONICUM							Large golden daisy-like flowers blossoming very early in the season with stiff stems that render them suitable for cutting. Useful for naturalizing in woodlands. Damp, strong soil suits them best.
Excelsum		April-May	Yellow	18 in.	20c	2.00	
ECHINACEA	Giant Purple						A fine, strong-growing perennial with a distinct color and branching flower-stems suitable for shrubbery and back of border.
Purpurea	Cone Flower	June-July	Reddish Purple	3 ft.	15c	1.50	

We make special prices on lots for large plantings provided stock permits.

EUPATORIUM AGERATOIDES

FUNKIA (Day Lily)

GAILLARDIA GRANDIFLORA

HARDY FERNS

A place for hardy ferns can be found in nearly every garden. They are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodlawn they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect for shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage, and plenty of water during dry periods.

Adiantum Pedatum (Maidenbair Fern) One of the daintiest and prettiest, grows about 1 foot high.
Asplenium Angustifolium (Spleenwort) A fine tall fern reaching 3 feet in good moist rich soil.
Asplenium Felix-Foemina (Lady Fern) Fine delicate fronds 1 to 3 feet in height, very hardy, will grow in the sun if soil is kept moist.
Aspidium Acrostichoides (Christmas Fern) An evergreen species, about 1 foot high, with deep green fronds.
Aspidium Cristatum. This species grows from 1 to 2 feet, in wet, swampy places, with fronds about 3 inches wide.
Aspidium Goldianum. One of the finest Aspidiums, frequently growing 4 feet high.
Aspidium Marginale. Fronds 1 to 2 feet in length, 3 to 5 inches wide.
Aspidium Spinulosum. (Wood Fern) A very pretty evergreen species about 15 inches high, with finely bisected fronds.
Aspidium Thelypteris. Very variable, fronds are about 2 feet high and the pinnae long and narrow.
Onoclea Sensibilis. (Sensitive Fern) 1 to 2 feet. Wet places, open or shade.
Onoclea Struthiopteris. (Ostrich Fern) One of the most stately and best for cultivation; sometimes 4 feet high with handsome dark green fronds forming the outline of a vase.
Osmunda Claytoniana. A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Any of the Above Hardy Ferns, Each, 20c; Doz. $2.00.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ECHINOPS							A stately plant for border or shrubbery with globular heads, which can be dried and put amongst grasses for a long time. Sandy loam or any good garden soil.
Ritro	Globe Thistle	July-Aug.	Blue	3 to 4 ft.	20c	$2.00	
Sphaerocephalus		July-Aug.	Pale Blue	5 ft.	20c	2.00	
EREMURUS							A noble group of plants, and quite hardy. When established they throw up magnificent flower spikes from 6 to 10 ft. high, each carrying some hundreds of flowers, arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect.
Himalaicus		May-June	White	8 ft.	75c		
Robustus		May-June	Rose Pink	10 ft.	75c		
ERIANTHUS	See Grasses						
ERYNGIUM	Sea Holly						These are exceedingly pretty both in flower and foliage, and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration.
Amethystinum		July-Sept.	Steel Blue	3 ft.	25c	2.50	
Oliverianum		July-Sept.	Steel Blue	3 ft.	20c	2.00	
Planum		July-Sept.	Pale Blue	3 ft.	15c	1.50	
EULALIA	See Grasses						
EUPATORIUM	Thorough Wort						Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
Ageratoides		Sept.-Oct.	White	3 ft.	15c	1.50	
Coelestinum		Sept.-Oct.	Light Blue	2 ft.	15c	1.50	
Frazeri		Sept.-Oct.	White	1½ ft.	15c	1.50	
EUPHORBIA							A native plant grown for its minute white flowers, which have a distinct green eye. Good for cutting; grows in any soil with open position.
Corollata	Flowering Spurge	June-Aug.	White	1½ ft.	15c	1.50	
FUNKIA	Day Lily						Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. They will grow in any good, rich soil.
Cucullata Medio Picta		August	Purple	1 ft.	20c	2.00	
Fortunei		August	White and Lilac		25c	2.50	
Lanceolata		August	Dark Blue	1 ft.	15c	1.50	
Subcordata Grandiflora Alba		Aug.-Sept.	Pure White	1½ ft.	15c	1.50	
Thomas Hogg		Aug.-Sept.	Rosy Purple		25c	2.50	
Undulata Medio Variegata		May-June	Purple, Var. Foliage.	1 ft.	15c	1.50	
GAILLARDIA	Blanket Flower						Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer. One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.
Grandiflora		June-Oct.	Orange Red, Brown and Crimson	1½ ft.	15c	1.50	
Copper Red		June-Oct.	Copper Red	1½ ft.	20c	2.00	
Maxima		June-Oct.	Yellow	1½ ft.	20c	2.00	
Maxima Kermesina Splendens		June-Oct.	Yellow, Crimson Eye.	1½ ft.	15c	1.50	
Friendship		June-Oct.	Large Yellow, Crimson Ring.	1½ ft.	25c	2.50	
Lady Rolleston		June-Oct.	Pure Yellow	1½ ft.	25c	2.50	
Masterpiece		June-Oct.	Crimson, Yellow Edge.	1½ ft.	25c	2.50	
Grandiflora Mixed		June-Oct.	Mixed	1½ ft.	15c	1.50	

For New and Rare Perennial Plants, See Page 111.

HELIANTHUS (Double)

GYPSOPHILA PANICULATA FL. PL.

HEMEROCALLIS AURANTIACA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
GENTIANA	Gentian						
Andrewsii		Aug.-Oct.	Blue	2 ft	25c	$2.50	Beautiful plants for permanent position in herbaceous border, or particularly for lower part of rockery, as they like a deep well-drained loamy soil. Do not disturb.
Clusii	Closed Gentian	Aug.-Oct.	Deep Blue	12 in	15c	1.50	
GERANIUM	Crane's Bill						
Grandiflorum		May-July	Violet-Blue	15 in	15c	1.50	Good early Summer flowering plants for front of borders, or the rock garden; will thrive in any ordinary garden soil.
Sanguineum		May-July	Crimson	12 in	15c	1.50	
Album		May-July	White	1 ft	15c	1.50	
GEUM	Avens						
Mrs. Bradshaw		June-Sept.	Double Crimson	2-3 ft	25c	2.50	Useful plants for well-drained ground and rock gardens; good border plants, showy on account of their bright colors.
Splendens		May-Sept.	Orange Yellow	18 in	15c	1.50	
GRASSES	For Foliage only						
Erianthus Ravennae	Hardy Pampas		Narrow Green	10 ft	25c	2.50	Ornamental Grasses can be used with telling effect in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn. The Erianthus or hardy pampas grass is the tallest grower, frequently reaching 10 feet high. The Eulalias are very pretty and graceful; Univittata being green with a white midrib; the Japonica Variegata is a beautiful variegated form and is the best of the variegated kinds. Japonica Zebrina, the Zebra grass, has broad yellow horizontal bands. The Variegated ribbon grass is an old favorite and is often used for border work or naturalizing in the wild garden.
Eulalia Gracillima Univittata			Silver White Midrib	3-4 ft	25c	2.50	
Eulalia Japonica Zebrina	Zebra Grass		Broad Yellow Bands	5 ft	25c	2.50	
Japonica Variegata	Japan Rush		Green and White, Pink and Yellow	4 ft	25c	2.50	
Festuca Glauca	Blue Fescue Grass		Blue Foliage	1 ft	15c	1.50	
Phalaris Arundinacea Variegata	Gardener's Garters or Ribbon Grass		Variegated	18 in	15c	1.50	
GYPSOPHILA							
Paniculata	Baby's Breath	July-Aug.	White	1½ ft	15c	1.50	The double form is especially desirable and as a cut flower is becoming very popular. Repens monstrosa is a dwarf variety and is suitable for rock-work or the front of the hardy border.
Flora Plena		July-Aug.	Double White	3 ft	25c	2.50	
Repens Monstrosa		July	White	1½ ft	20c	2.00	
HELENIUM	Sneezewort.						
Autumnale Superbum		Sept.-Oct.	Deep Yellow	6 ft	15c	1.50	Blooming for a long period, are among the best of hardy flowers, affording a good quantity of cut-flowers which last a long while, they are worthy of extensive planting; and thrive in any soil and are good for specimens in border and covering back fences, also among shrubbery and the wild garden.
***Rubrum**		Sept.-Oct.	Red	6 ft	20c	2.00	
Hoopesi		June-Sept.	Bright Orange	2 ft	15c	1.50	
Riverton Beauty		Aug.-Oct.	Lemon Yellow Black Cone	3 ft	25c	2.50	
Riverton Gem		Aug.-Oct.	Old Gold and Terra Cotta	3 ft	25c	2.50	
HELIANTHUS	Hardy Sunflower						Hardy Perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands. All varieties here offered are single flowering, except Multiflorus Plenus.
Divaricatus		Aug.-Oct.	Yellow	2-3 ft	15c	1.50	
Miss Mellish		Sept.-Oct.	Golden Yellow	6 ft	15c	1.50	
Multiflorus Plenus	Dahlia Sunflower	Aug.-Sept.	Double Yellow	5 ft	15c	1.50	
Sparsifolius		Aug.-Oct.	Deep Yellow	6-8 ft	15c	1.50	
HERMEROCALLIS							The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the waterside and like lots of moisture. Mixed with German Iris they are very effective. Require good soil to get the best results.
Aurantiaca	Yellow Day Lily	June-July	Orange-Yellow	2-3 ft.	25c	2.50	
Aureole		June-July	Crimson	2 ft.	35c	3.50	
Citrina		June-July	Lemon Yellow	4 ft.	35c	3.50	
Dr. Regel		June-July	Rich Apricot	2½ ft.	30c	3.00	
Dumortieri		June-July	Rich Yellow	2 ft.	15c	1.50	
Flava		July-Aug.	Yellow	3 ft.	15c	1.50	
Florham		July-Aug.	Rich Yellow	3 ft.	25c	2.50	
Fulva		June-July	Coppery Orange	3½ ft.	15c	1.50	
Kwanso Fl. Pl.		June-July	Double Orange	3½ ft.	15c	1.50	
Sovereign		July	Chrome Yellow	2½ ft.	25c	2.50	

PRAIRIE DU CHIEN—"Gentlemen, the plants received in due time, and in first class condition. Thanks for extras." J. E. ECKHARDT.

Hardy Perennials are the most satisfactory of all flowers because of their permanent character and the naturalness of their beauty.

A BORDER OF JAPAN IRISES

GERMAN IRIS—Mme. Chereau.

GERMAN IRIS (Fleur-de-Lis or Flag Iris)

German Iris are all sun lovers and delight in a well drained situation. They almost outrival the Orchid in delicacy and richness of coloring. They are splendid for beds, border or front of shrubbery. Plant in bold groups for best effect, Avoid planting too deep, barely covering the rhizomes (creeping root stems) being quite sufficient.

GERMAN IRIS

☞"S" refers to the three standard, or upright curling petals; "F" to three falls or drooping petals.

Canary Bird. "S" Soft creamy yellow. "F" Pale cream with striped base.
Charles Dickens. "S" Blue. "F" Dark blue, suffused dark purple.
Gajus. "S" Light clear yellow. "F" Crimson, reticulated white and yellow, clear yellow picotee edge. **Each 30c; doz. $3.00.**
Hector. "S" Soft clouded yellow. "F" Velvety crimson; showy; 30 inches.
Heteranth. "S" Bright blue. "F" Deeper blue. Early.
Honorabilis (Sans Souci). A most effective combination. "Standards" golden; "Falls" rich mahogany. Grows about 18 inches.
Ingeborg. Pure ivory white with sufficient pale orange stripes to relieve the monotony of a single shade.
King of Iris. "S" Lemon yellow. "F" Deep brown and yellow. One of the most beautiful of all Iris. **Each, 35c; doz. $3.50.**
L'Avenir. A beautiful shade of satin blue. **Each, 30c; doz. $3.00.**
Lord Salisbury. "S" Amber white. "F" Dark violet purple.
Loreley. Very fine. "S" Light yellow. "F" Ultramarine blue, bordered cream. **Each, 25c; doz., $2.50.**
Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall.
Monsignor. Tall, large blossoms borne in profusion. "S" Bluish lavender. "F" Violet with white pencilings at throat. A truly magnificent specimen. **Each, 50c.**
Mad. Pacquette. Bright rosy claret, early and beautiful. **Each, 20c; doz., $2.00.**
Mrs. H. Darwin. "S" Clear waxy white. "F" White with violet veins.
Peacock's Eye. "S" Clear olive yellow. "F" Brownish, shading to a clear yellow border on edges. **Each, 30c; doz., $3.00.**
Penelope. "S" Pure white. "F" White, veined purple, crested yellow.
Pharaon. Lilac; very fine.
Plicata. "S" Bright violet-purple; "F" Deep violet-purple, with lighter shadings.
Queen of May. Unique in that its colors are a departure from the violets and purples usually associated with Irises. The flowers are soft lilac, suffused with rosy pink.
Queen of Gipsies. "S" Lavender bronze. "F" Brown, white and purple streaked.
Pres. Thiers. "S" Lavender blue. "F" Deeper blue, white pencilings. **Each, 25c; doz., $2.50.**
Sambucina. "S" Coppery rose. "F" Rosy purple with orange crest; 30 inches.
Stenophylla. "S" Pale blue, indistinct stripes. "F" Darker. Tall.
Trautlieb. A lovely uniform soft rose.
Walhalla. Rosy lavender petals above with a delicate claret red below. A very distinct sort. **Each, 20c; doz., $2.00.**

PRICE: (Except where noted) Each 15c; doz $1.50; per 100 $8.00; 1000 $75.00

GERMAN IRIS MIXED. **Each, 10c; doz., $1.00** (postpaid); (by express) **per 100, $5.00; per 1000, $45.00.** (25 at 100 rate, 250 at 1000 rate.)

A GENUINE BARGAIN. German Iris, 100 roots in 10 named varieties, 10 of each, (our selection), for **$8.00** (by express). Excellent value. Club with your friends and secure this bargain.

IRIS SIBERICA

Orientalis (Yale Blue). A slender, graceful, tall-growing Iris, with flowers quite similar to those of the German Iris, but smaller and much more numerous. The plants form large, strong, compact clumps, and bloom so freely that the deep blue flowers give almost a solid color effect. **Each, 15c; doz., $1.50.**

Snow Queen. Snow-white flowers borne on strong, erect stems. **Each, 15c; doz., $1.50.**

IRIS PUMILA HYBRIDA

Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea** Rich royal purple with black shading. **Florida** Beautiful lemon yellow shaded darker. **Each, 15c; doz., $1.25; per 100, $8.00.**

IRIS VERSICOLOR

A native species common to our streams and marshes, flowering in June and July, remaining in bloom a long time. Flowers are very showy light blue. Not a new variety but desirable because it thrives in moist locations. **Each, 15c; doz., $1.25; per 100, $8.00.**

JAPAN IRIS (Iris Kaempferi)

A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris, which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter, and the various shades of color are exquisite. Our collection consists of the very choicest.

DOUBLE VARIETIES

Gold Bound. Pure white, one of the best.
Mahogany. Dark red, shaded maroon.
Mount Hood. Light blue, shaded darker.
Oriole. Deep amaranth, yellow center.
Pyramid. Violet blue, veined white.
Robert Craig. French gray, veined violet.
Victor. White, with violet purple veins.

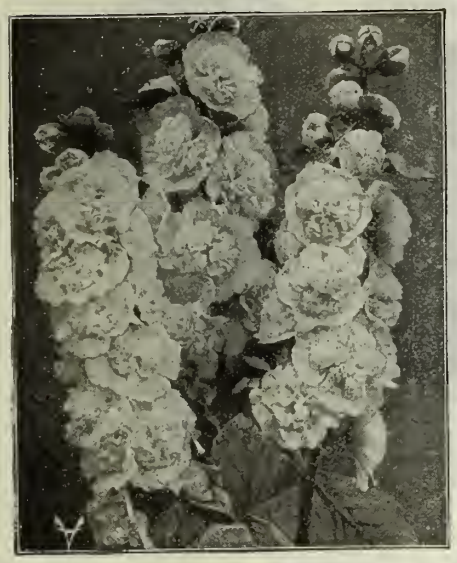
SINGLE VARIETIES

Apollo. Pure white, pink center.
Helen Von Sieboldt. Reddish, veined white, yellow center.
Lavender Queen. Fine lavender blue.
Ondine. White, shaded light blue towards center.
Topaz. Light rose.
Choice Mixed. Double and single varieties. **Each, 15c; doz., $1.50; per 100 $12.00.**

Price of above named varieties—Each, 25c; doz., $2.50; the set of 12 for $2.50.

Japan Irises are invaluable for planting in bold masses on the brinks of streams and lakes (yet one seldom sees them), and when in bloom are a sight never to be forgotten.

For Novelties in Perennial Plants, See Page 111



DOUBLE HOLLYHOCK

LILY OF THE VALLEY

LOBELIA CARDINALIS

HOLLYHOCKS

Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of colors. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial.

	Each	Doz.	100
Double Black, White, Pink, Red or Yellow	20c	$2.00	$12.00
Double Mixed	15c	1.50	10.00
Allegheny Mixed, semi-double and single	18c	$1.50	$10.00
Old-Fashioned Single, mixed	15c	$1.50	$10.00

Botanical Name	Common Name	Flowering Period	Color.	Height	Each.	Doz	Use, Soil, Position, Etc.
HEUCHERA	Alum Root						They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting. Flambeau and Pluie de Feu are new European varieties, which we can with confidence recommend, and Walker's variety, larger in flower than Sanguinea, is a valuable addition this year.
Brizoides Gracillima		May-June	Rosy Carmine	2 ft	20c	$2.00	
Flambeau (New)		June	Brilliant Rose	2 ft	25c	2.50	
Pluie de Feu (New)		June	Scarlet	2 ft	25c	2.50	
Sanguinea		June	Scarlet	1½ ft	25c	2.50	
Walker's Variety		June	Bright Scarlet	2 ft	35c	3.50	
HIBISCUS	Mallow		Pure White				Tall growing, stately plants for the back of borders, can also be used as a hedge. They are prized on account of their colors which are very uncommon. Thrive in any soil; should find a place in every hardy garden The Mallow Marvels are new hybrids with immense flowers and gorgeous coloring, very attractive.
Crimson Eye		Sept.-Oct.	Crimson Center	4 ft	15c	1.50	
Mallow Marvels		July-Sept	Mixed Colors	6 ft	25c	2.50	
Mallow Marvels, Red, White or Pink		July-Sept		6 ft	30c	3.00	
Moscheutos		Sept.-Oct	Soft Pink	5 ft	15c	1.50	
IBERIS	Hardy Candytuft						Dwarf evergreen plants covered with blooms in Spring and during early Summer. Little Gem is especially suited to border and rockwork. Gilbraltarica is fine for edging shrubbery or borders and will thrive in any good soil.
Gilbraltarica		April-May	Lilac Mauve	12 in	15c	1.50	
Little Gem		April-May	Small White	6 in	20c	2.00	
Sempervirens		April-May	White	10 in	15c	1.50	
INCARVILLEA	Hardy Gloxinia						Lovely new Chinese plants for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in light sandy soil. Grandiflora, crimson with yellow throat, is a charming flower.
Delavayi		May-July	Rose Colored	2 ft	15c	1.50	
Grandiflora		May-July	Crimson	1 ft	20c	2.00	
INULA	Flea Bane						Showy and highly decorative plants. Glandulosa is much prized for cutting, producing flowers two inches across of a peculiar formation. They will thrive in any ordinary garden soil.
Ensifolia		May-Aug	Bright Yellow	12 in	15c	1.50	
Glandulosa Grandiflora		June-Aug	Yellow	2½ ft	25c	2.50	
LATHYRUS	Hardy Flowering Pea						The everlasting Pea, effective and easily grown, forms a very decorative object when trained over old tree stumps, banks, pyramids, or forming floral screens. They are good cut-flowers with strong, wiry stems, requiring deep, rich soil, their roots extending to a great depth.
Latifolius Albus		June-Aug	White	4-5 ft	15c	1.50	
Pink Beauty		June-Aug	Pink	4-5 ft	15c	1.50	
Rubra		June-Aug	Red	5-6 ft	15c	1.50	
White Pearl (New)		June-Aug	Pure White	4-5 ft	25c	2.50	
LAVENDULA Vera	Lavender	June-Aug	Blue		15c	1.50	Delightfully fragrant flower, much used when dry on account of its sweet odor. We offer the true variety.
LEUCANTHEMUM	Early Spring Marguerite						Very similar to the Shasta Daisy and requiring the same soil and treatment.
Praecox Perfection		June-Aug	White	2 ft	20c	2.00	
LIATRIS	Blazing Star or Gay Feather						Carrying feathery flower spikes; are effective border plants thriving at the margin of streams or in the open border. They commence to flower at the top of spike and so on downward; very effective.
Pycnostachya		July-Sept	Rosy Purple	3 ft	15c	1.50	
Spicata		July-Sept	Deep Purple	5 ft	15c	1.50	
LILY OF THE VALLEY (Clumps)		May-June	White	8 in	30c	3.00	Good for shade and under trees.
LINARIA							Large showy yellow and orange flowers, fine for rockeries, but very valuable and effective in the herbaceous border also.
Dalmatica	Toad Flax	May-Aug	Yellow	3-ft	20c	2.00	
LINUM	Flax						A desirable plant for the border, with light, graceful foliage and blue flowers produced through the entire Summer if cut down after the first blooming.
Flavum		June-Sept	Yellow	1 ft	15c	1.50	
Perenne		June-Sept	Sky-Blue	1½ ft	15c	1.50	
Perenne Album		June-Sept	White	1½ ft	15c	1.50	
LOBELIA	Cardinal Flower						Deep, rich, moist soil is best. For the margins of ponds or damp border.
Cardinalis		July-Sept	Fiery Scarlet	2 ft	15c	1.50	

MERTENSIA (Blue Bells)

PAPAVER NUDICAULE

MONARDA (Oswego Tea)

To obtain best results, hardy perennials or "Old-Fashioned" flowers as they are generally known, should be planted in masses or large clumps. This is particularly true of Gaillardia, Iris, Helenium, Asters, Boltonias, Monarda, Larkspur, etc.

Botanical Name	Common Name	Flowering Period.	Color.	Height	Each	Doz.	Use, Soil, Position, Etc.
LUPINUS	Lupine						
Polyphyllus		May-June	Blue	3 ft	15c	$1.50	Effective plants producing when established large spikes of flowers. They should be planted in well prepared garden soil and well watered during a period of dry weather. Moerheimi is a grand novelty and undoubtedly the best of all lupins.
Albus		May-June	White	3 ft	25c	2.50	
Moerheimi (New)		May-June	Pink and White	3 ft	30c	3.00	
Roseus		May-June	Pink	3 ft	30c	3.00	
LYCHNIS	Campion						
Chalcedonica		June-Sept	Orange Scarlet	2-3 ft	15c	1.50	Highly ornamental plants for summer, the taller kinds being valued for cut flowers and border plants; the dwarfer varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position. The "Double Catch Fly" is a brilliant border plant, the flowers being produced in dense spikes.
Rubra Fl. Pl.		July-Sept	Double Scarlet	2 ft	25c	2.50	
Alba		May-Aug	White	1½-2½ ft.	15c	1.50	
Flore Pleno		May-Aug	Double White	1½-2½ ft.	25c	2.50	
Haageana	Maltese Cross	May-June	Orange Scarlet	1 ft	15c	1.50	
Sieboldi		June-July	White	1 ft	15c	1.50	
Viscaria Splendens	Catch Fly	June-July	Rose-Pink	1 ft	15c	1.50	
Splendens Plena	Double Catch Fly	June-July	Crimson	1 ft	20c	2.00	
LYSIMACHIA							
Nummularia	Creeping Jenny	June-Aug	Yellow	4 in	15c	1.50	Effective in clumps or wild garden. Requires a moist situation. Nummularia is fine for banks, vases, beds stumps or rockeries and can be used in hanging baskets.
LYTHRUM	Black Blood						
Roseum Superbum		May-Sept	Reddish Purple	3 ft	15c	1.50	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits them.
MERTENSIA	Blue Bells or Virginian						
Virginica	Cowslip	May-June	Light Blue	18 in	15c	1.50	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned	**Clumps, each 10c; doz., $1.00**			15c	1.50	An old favorite, will grow anywhere. We have a grand lot in 4 in. pots.
MONARDA	Oswego Tea or						
Didyma	Bee Balm	June-Sept	Brilliant Scarlet	2 ft	15c	1.50	Fine for naturalizing in woods and shrubbery, bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
Hybrids		June-Sept	Mixed	2 ft	15c	1.50	
MYOSOTIS							
Palustris							With their various shades of blue blowers, these are charming plants for borders, and also for bedding, being often used for planting between late-flowering tulips, and make a fine show with the latter. Palustris is of a creeping habit and makes excellent carpeting for taller plants.
Semperflorens	Forget-me-not	May-Aug	Blue	6 in	15c	1.50	
Alpestris Indigo Blue		May-Aug	Deep Blue	8 in	15c	1.50	
Victoria		May-Aug	Blue	6 in	15c	1.50	
OENOTHERA	Evening Primrose						
Eldorado		July-Aug	Golden Yellow	2 ft	25c	2.50	Showy and easily grown in all soils; useful in wild garden and border; make good plants for front of border. Macrocarpa is a beautiful variety with prostrate stems bearing immense yellow flowers during July and August.
Macrocarpa		June-Sept	Yellow	6 in	15c	1.50	
Youngi		May-Aug	Golden Yellow	2 ft	15c	1.50	
OLD MAN	See Artemisia				15c	1.50	
PAPAVER	Oriental Poppy						
Goliath		June-July	Scarlet	3½ ft	25c	2.50	For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suit them best. We offer only the finest varieties of tried merit. Iceland Poppies are very free and delicate and much admired for the front row of border.
Mahony		June-July	Deep Maroon	3 ft	25c	2.50	
Marie Studholme		June-July	Salmon	3 ft	25c	2.50	
Mrs. Perry (New)		June-July	Orange Apricot	3 ft	25c	2.50	
Royal Scarlet		June-July	Scarlet Black Cen.	3 ft	20c	2.00	
Oriental King		June-July	Crimson Scarlet	3 ft	25c	2.50	
Oriflamme (New)		June-July	Orange Scarlet	3½ ft	25c	2.50	
Princess Ena (New)		May-Aug	Salmon Pink	3½ ft	25c	2.50	
Princess Victoria Louise		June-July	Soft Lilac Rose	3 ft	25c	2.50	
Rembrandt		June-July	Orange Salmon	3 ft	25c	2.50	
Silver Queen		June-July	Silvery White	3 ft	25c	2.50	
Nudicaule	Iceland Poppy	June-Oct	White, Yellow and Orange	1 ft	15c	1.50	
PENTSTEMON	Beard's Tongue						
Barbatus Torreyi		June-Aug	Brilliant Scarlet	3 ft	15c	1.50	These graceful plants, bearing long spikes of flowers, are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
Digitalis		June-July	Purple White	2 ft	15c	1.50	
PHALARIS	See Grasses						
PHYSOSTEGIA	False Dragon Head						
Virginica		June-Sept	Soft Pink	3-4 ft	15c	1.50	Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
Alba		June-Sept	Pure White	3-4 ft	15c	1.50	
Speciosa			Delicate Pink		15c	1.50	

PEONIES

Cultural Directions are sent with every order for Peonies

There is no hardy perennial which equals the Peony in beauty and usefulness. Once planted, the plants and flowers increase in size and beauty with We. They are as hardy as oaks and as handsome (many as fragrant) as roses. aghen the plants are through blooming they are as handsome and ornamental as most of the hardy shrubs. The plants are practically immune from insects. We would advise our customers **beware of "cheap" Peonies.** An inferior variety will take as much care and space as a choice one, and the first cost of a Peony is nothing compared to the disappointment after years of waiting.

We offer three sizes, viz:—

Small—divided roots, 3-5 eyes. Medium—1 and 2 years from division. Large—4 and 5 year old clumps.

WHITE AND LIGHT SORTS

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Canari. Guard petals flesh, yellow center. A very desirable and pleasing variety	$0.40	$4.00	$0.60	$6.00	
Carnea Triumphans. Clear flesh color, broad petals, perfect shaped flower, with glossy reflex	.40	4.00	.60	6.00	
Charlemagne. Lilac white with a slight blush center, medium height, free bloomer, late	.40	4.00	.60	6.00	$1.25
Couronne d'Or. Snow-white, yellow reflex. Very large. Ball-shaped imbricated flower. Splendid cut-flower sort. Late	.60	6.00			
Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut-flower variety. Late.	.35	3.50	.60	6.00	1.50
Duke of Wellington. Very large well formed sulphur white bloom, long stems; fragrant	.60	6.00			
Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow-white, with some red spots on the edges of the center petals. Very sweet.	.35	3.50	.60	6.00	1.00
Jeanne d'Arc. Soft pink; center sulphur white. Very fragrant. This is one of the most desirable of the light colored Peonies, being very free and a vigorous grower. Similar but better than Golden Harvest.	.40	4.00	.60	6.00	
La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late	.40	4.00	.60	6.00	
Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems; fragrant	.40	4.00	.60	6.00	
Madame Crousse. Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together, this is, in our estimation, the best White Peony	.85	8.50	1.25	12.00	
Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable of the Whites for all purposes	.40	4.00	.65	6.50	1.00
Marie Lemoine. Delicate ivory white; solid massive blooms of extra size; very late	.60	6.00			
M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer	.75	7.50	1.25	12.00	
Nivea Plenissima. White, shaded yellow	.40	4.00	.65	6.50	
Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason	.30	3.00	.45	4.50	

LIGHT AND DARK PINK AND ROSE

Alexander Dumas. Brilliant pink, interspersed with white and salmon; very early and free; fine for cutting	.40	4.00			
Dorchester (Richardson's). A most beautiful soft pink of fine form, dwarf grower	.50	5.00			
Duchess de Nemours (Guerin). Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut-flower variety	.40	4.00	.70	7.00	
Edulis Superba. Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks	.30	3.00	.60	6.50	
Eugene Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason	.60	6.00			
Faust. Guard petals and crown pink, fading to lilac white, collar of narrow sulphur-white petals, midseason	.35	3.50	.60	6.50	
Floral Treasure. Color pale lilac rose, large and showy midseason, extra good, one of the best commercial blooms	.50	5.50	.75	7.50	
Kohinoor. Shell pink, very free, splendid cut flower sort, midseason	.40	4.00	.60	6.50	
Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort	.30	3.00	.60	6.00	
Madame Bollet. Color rose, with silvery reflex. Very large and double. Late	40	4.00			

A BORDER OF VAUGHAN'S PEONIES

LIGHT AND DARK PINK AND ROSE—Continued

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Madame de Vatry. Guard petal flesh, center sulphur white, with carmine stripes. Very large flowers; of dwarf habit. An excellent cut-flower variety and fine for bedding. Late midseason	$0.60	$6.00			
Madame de Galhau. Soft flesh pink, shaded salmon, extra long stemmed variety	.50	5.50			
Madame Geissler. Silvery pink, shading to rose at base of petals. Immense flower; imbricated and borne on strong stems. Late	.50	5.00	$0.75	$7.50	
Mathilde Mechin. French pink, mixed with small salmon petals. Bright Anemone, ball-shaped flowers of perfect build. Extra fine.	.60	6.00			
Modele de Perfection. Large, full, double, rose, pink. Extra fine	.75	8.00			
M. Barral. Fine pink; very large and double. Strong stem. Late	.50	5.00	.65	6.50	
Mons. Chas. Leveque. Color delicate rose	.40	4.00			
M. Jules Elie. Immense light silvery pink, very large guard petals and high dome-like center, early	.85	8.50			
Octavie Demay. Dwarf, compact growth; very large light flesh pink. Extra fine	.85	8.50			
Prolifera Tricolor. Guard petals flesh pink, center yellow and light pink with red spots	.45	5.00			
Pulcherrima. Outside petals flesh, center pink. Very large and borne on long stems.	.35	3.50	.60	6.00	$1.25
Souv. de L'Exp. Universelle. Brilliant rose with silvery reflex	.50	5.00	.75	7.50	
Souv. de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac	50	5.00			
Thorbeckii. Deep rose pink, lighter in center; medium, dwarf	50	5.00	.75	7.50	
Triomphe de l'Exposition de Lille. Light rose pink or peach color with mottled petal; very massive	.45	4.50			
Triumphans Gandavensis. Soft salmon pink shading to creamy white with carmine spots, free bloomer, strong grower	.50	5.00	.75	7.50	1.25

RED AND CRIMSON SORTS

Adolphe Rousseau. Dark amaranth with yellow stamens. Tall and fine, early	40	4.00	.60	6.50	
Berlioz. Brilliant dark red, flowers very large imbricated	50	5.00			
Delachii. Deep purple, crimson reflex. Free bloomer	40	4.00	60	6.50	1.25
Felix Crousse. One of the best red sorts. Large double ball-shaped flower; a free bloomer. Very desirable. Late midseason.	.60	6.00			
Madame Lebon. Late; very large; color, brilliant cerise-red with silvery reflex. Extra	35	3.50	.50	5.50	1.25
Meissionier. Broad outer petals brilliant purple amaranth, inner petals crimson	35	3.50			
M. du Ribert. Color rose magenta, loose bloom, sweetly scented. Late. Height, medium	.35	3.50			
M. Krelage. Large compact, dark solferino red with silvery tips; strong, upright, free bloomer	.60	6.00			
Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower	.30	3.00	.60	6.00	
President Roosevelt. Fine full bloom. Very brilliant red	.50	5.00	.75	7.50	
Richardson's Rubra Superb. Rich, deep crimson; latest of all. Very sweet	.50	5.00			

UNNAMED PEONIES

Double White, Pink and Red	25	2.40	.50	5.40	1.50
Extra Large Size					2.00
Double Mixed	.20	2.00	.30	3.00	.75
Extra Large Size					1.00

VARIOUS PEONIES

Single Crimson, small, **each 50c**
Single Pink, small, **each 50c.**
Single White, small, **each 50c.**

JAPANESE TREE
3 year old plants.
Each $1.25; per doz., $12.00.

VAUGHAN'S HARDY PHLOX (PHLOX DECUSSATA)

TYPES OF VAUGHAN'S HARDY PHLOX

This is one of the most useful flowers for Summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of the older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early (2) Mid-season (3) Late
(D) Dwarf (M) Medium (T) Tall

Our prices are for one-year field-grown plants

At **$1.50 per dozen**, price per **100 is $10.00.**
At **$2.00 per dozen**, price per **100 is $14.00.**
At **$2.50 per dozen**, price per **100 is $18.00.**
25 of **any variety** supplied at these rates.

	Each	Doz.
Athis (L 2) Beautiful salmon pink	$0.15	$1.50
Aurora (D 2) Large trusses of brilliant rose pink	.20	2.00
Antonin Mercie (M 2) A beautiful grayish lilac with white center.	.15	1.50
Baron Von Dedem (T 2) Blood-red scarlet with immense trusses	.20	2.00
Beranger (D 1) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye	.15	1.50
Braga (M 2) Mauve rose suffused with salmon, large white eye	.25	2.50
Bridesmaid (D 2) Pure white, large crimson-carmine eye	.15	1.50
Clara Benz (D 2) Brilliant carmine rose	.20	2.00
Coquelicot (T 2) A fine orange scarlet with crimson eye	.15	1.50
Crespuscule (M 2) Large cherry-red center, edged pale violet pink.	.20	2.00
Dr. Koenigshoefer (M 2)	.20	2.00
Eclaireur (T 3) Brilliant rosy magenta with lighter halo	.15	1.50
Elizabeth Campbell (D 2) New. Bright salmon pink with lighter shadings and dark crimson eye	.25	2.50
Eugene Danzanvilliers (D 1) Soft lilac blue with large white center, free and continuous bloomer	.15	1.50
Flora Hornung (D 2) Milk-white with carmine eye	.20	2.00
Frau Ant. Buchner (M 2) Pure white. Undoubtedly the finest white yet raised. Strong habit	.20	2.00
Fraulein Von Lassburg (T 2) The purest snow-white in cultivation. Extra fine	.20	2.00
G.A. Strohlein (M 2) Glowing orange scarlet with blood-red eye. Immense heads	.20	2.00
General Von Heutz (T 2) Brilliant salmon red with white center. Very large heads; free bloomer	.15	1.50
Gruppen Koenigin (M 2) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting	.20	2.00
Hervor (M 2) Carmine rose, white center	.25	2.50
Iris (M 2) Large flower, bluish violet with large blue center	$0.25	$2.50
Jeanne d'Arc (T 3) Pure white	.15	1.50
L'Aiglon (T 1) One of the best of the deep rose-colored varieties; bright carmine eye	.20	2.00
Le Madhi. A metallic bluish-violet color having fine large trusses; a prolific bloomer. One of the very best of its color and an entirely distinct variety	.20	2.00
Mme. Bezanson (T 2) Bright rosy red	.15	1.50
Mme. Paul Dutrie (M 1) Soft pink, suffused white	.15	1.50
Miss Lingard (T 1) (Suffruticosa) Pure white; the earliest of all. Blooms all summer; good for cut flowers	.20	2.00
Mrs. Arthur Baker (M 2) Fine salmon; very distinct	.20	2.00
Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. The best for massing	.20	2.00
Pantheon (T 2) Deep salmon rose, very fine	.20	2.00
R. P. Struthers (T 2) Rosy carmine with claret eye	.20	2.00
Rhynstrom. Beautiful color not unlike that of Paul Neyron Rose. A good strong grower and a very free flowering variety	.25	2.50
Rosenburg (M 2) New. Bright reddish violet with blood-red eye; individual flowers large	.20	2.00
Selma (T 2) Large trusses of very large pink flowers with cherry-red eye; choice	.20	2.00
Sigrid Arnoldson (T 2) Fiery carmine red with dark center; extra fine; scarce	.25	2.50
Tapis Blanc (D 1) Pure white; immense heads. The best dwarf Phlox in cultivation	.25	2.50
Von Hochberg (M 3) The ideal crimson. The richest of its color.	.20	2.00
Von Goethe (M 2) Pure clear pink with white eye	.15	1.50

DWARF AND ALPINE PHLOX

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Amoena. Bright pink; May to June; height 6 inches. **Each, 15c; doz., $1.50.**
Divaricata Laphami (New). A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. **Each, 15c; doz. $1.50.**
Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. **Each, 15c; doz., $1.50.**
Subulata Rosea. Same as above but with dainty rose pink flowers. **Each, 10c; doz., $1.00.**

PHLOX COLLECTIONS

These collections are great value, containing only the choice kinds (often some of the newer varieties) all correctly labelled, and supplied only in strong plants. The increased demand for them each year is sufficient evidence of their quality.

No. 122.—One each of 20 varieties, our selection from above. All distinct and labeled for $2.50 by express, not prepaid.

No. 122A.—One each of 10 varieties, our selection from above. All distinct and labelled for $1.50 by express, not prepaid.

Mixed.—2 year field clumps of a choice mixture of colors. Unnamed varieties. **Each, 10c; doz., $1.00; per 100, $6.00.**

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
PLATYCODON	Balloon Flower						
Grandiflora		May-Sept.	Deep Blue	18 in.	15c	$1.50	Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
Alba		May-Sept.	White	18 in.	15c	1.50	
Mariesi		May-Sept.	Violet Blue	12 in.	15c	1.50	
Alba		May-Sept.	White	12 in.	15c	1.50	
PLUMBAGO	Leadwort						
Larpentae		Sept.	Deep Blue	1 ft.	15c	1.50	One of the best dwarf Perennials. The flowers of deep blue are borne in great profusion throughout the fall months.
POTENTILLA	Cinquefoil						
Formosa		June-Aug.	Rosy Red	18 in.	15c	1.50	Valuable for massing in borders and for cut flowers. They require light, deep, loamy soil with exposed position.
Gibson's Scarlet		June-Aug.	Deep Scarlet	18 in.	25c	2.50	
Hybrida		June-Aug.	Mixed	18 in.	15c	1.50	
PRIMULA	Hardy Primrose						
Veris Grandiflora		May-June.	Yellow	10 in.	15c	1.50	A popular old favorite. Thrives in a moist shady position, in leafy soil.

Everyone should plant Hardy Phloxes; our Collection contains the best that can be had.

PLATYCODON

RUDBECKIA (Purpurea Grandifl)

RUDBECKIA (Golden Ray)

PYRETHRUM

One of the most valuable of our early summer flowers. Charming shades of color, and wonderful lasting properties as a cut-flower.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
PYRETHRUM							Too much cannot be said in favor of the Hybrid Pyrethrums, which bloom in May and June and are sometimes called Spring flowering Chrysanthemums. They are not so well known as they should be for they are one of our best Spring flowering Perennials, being of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color, ranging from pure white to the most intense scarlet and crimson and are perfectly hardy, delighting in a cool moist soil. During the dry periods they ought to be copiously watered. If the dead flower stalks are cut off immediately after they are through flowering a second crop of flowers will usually result during the cool fall months.
Alfred Kelway		June	Double Crimson	18 in	35c	$3.50	
Aphrodite		June	Double White	18 in	35c	3.50	
Carl Vogt		May-June	Double White		40c	4.00	
James Kelway		June	Single Scarlet	18 in	40c	4.00	
Lord Rosebery		June	Double Carmine	18 in	35c	3.50	
Choice Mixed Hybrids		June	Mixed	18 in	15c	1.50	
Ne Plus Ultra			Double Flesh Color	18 in	35c	3.50	
Princess de Metternich		June	Double White	18 in	35c	3.50	
Virgo			Double Sulphur White	18 in	35c	3.50	
Yvonne Cayeaux		June	Double White	18 in	35c	3.50	
***Uliginosum**	Giant Daisy	Sept.-Oct	White	5 ft	15c	1.50	
RANUNCULUS	Fair Maids of France						Fine subjects for the hardy border, and for cut flowers. Plant in semi-shade.
Aconitifolius Fl. Pl		May-June	White	2 ft	20c	2.00	
Speciosus Fl. Pl	Double Buttercups	May-June	Yellow	1 ft	15c	1.50	
ROSMARINUS							Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
Officinalis	Rosemary		Lavender	2 ft	15c	1.50	
RUDBECKIA	Cone Flower						The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color. Any good garden soil suits them. Golden Ray is an improved Golden Glow, and worthy of a place in any garden, the flowers are of the richest golden yellow, and when fully open, form a most beautiful rosette. A large vase of cut flowers of this variety is very attractive. R. Newmanni differs from the other varieties in being very dwarf and showing the black cone (or disc) more conspicuously. When massed, it produces a grand effect, while for half shady places under trees, it is of great decorative value.
***Laciniata fl. pl. Golden Glow**		July-Oct	Yellow	5-7 ft	10c	1.00	
***Golden Ray**	New	July-Oct	Golden Yellow	6 ft	15c	1.50	
***Newmanni**		June-Sept	Orange Blk. Cone	2 ft	15c	1.50	
***Nitida "Fall Sun"**	New	Sept.-Oct	Golden Yellow	6 ft	15c	1.50	
***Purpurea Grandiflora**	New, Giant Purple Cone Flower	July-Sept	Claret Red	4 ft	15c	1.50	
Subtomentosa		June-Aug	Lemon Yellow Purple Center	2½ ft	15c	1.50	
SALVIA							Beautiful plants, with long spikes of tubuar blue flowers. Leaves of Officinalis used for seasonings and dressings.
Azurea Gr'flora		Aug.-Oct	Sky Blue	3 ft	25c	2.50	
Pitcheri	Meadow Sage	Sept.-Oct	Deep Blue	3½ ft	25c	2.50	
Officinalis	Common Sage				15c	1.50	
SAPONARIA							This charming rock or border plant produces sheets of pink flowers in early Summer. It is of very easy culture and thrives in any garden soil in full sun.
Ocymoides Splendens	Rock Soapwort	May	Pink	6 in	15c	1.50	
SCABIOSA	Mourning Bride						Useful border plants blooming freely all Summer; much prized for cutting and massing in old-fashioned gardens; succeeds best in light loam with plenty of sun.
Caucasica		June-Sept	Pale Blue	18 in	15c	1.50	
Alba		June-Sept	White	18 in	25c	2.50	
SEDUM							Fine plants for rock-garden, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather.
Acre	Golden Moss	May-June	Bright Yellow	3 in	15c	1.50	
Latifolium Atropurpureum		Aug.-Sept	Crimson	18 in	25c	2.50	
Spectabile	Brilliant Stone-crop	July-Aug	Rose Color	18 in	15c	1.50	
Atropurpureum		July-Aug	Bright Crimson	18 in	25c	2.50	
SIDALCEA							Produces graceful spikes of pink flowers. A good border plant.
Rosy Gem		June-July	Pink	3 ft	15c	1.50	
SILENE							Useful plants for front row of Herbaceous border, bearing quantities of bright flowers. Schafta is of compact, neat growth.
Orientalis		July-Oct	Rose Pink	8 in	15c	1.50	
Schafta	Late Catchfly	July-Oct	Purplish-rose	6 in	15c	1.50	
SOLIDAGO	Golden Rod						Although native plants these two Golden Rods are worthy of cultivation, being of the easiest culture and their light graceful panicles of golden yellow flowers make them invaluable for cutting from August to October, at a time when flowers in the outdoor garden are scarce.
Canadensis "Golden Wings"		Sept.-Oct	Rich Yellow	6 ft	25c	2.50	
Nana		Aug.-Sept	Golden Yellow	18 in	15c	1.50	
SPIRAEA	Goats' Beard or Meadow Sweet						Graceful plants, both in flower and foliage. Naturalized by the side of streams, or as a border or shrubbery plant. Filipendula fl. pl. is good for front row in hardy border or edging. Partial shade suits them best.
Lobata (Venusta)		June-July	Rose Pink	3-4 ft	25c	2.50	
Filipendula Fl. Pl	Dropwort	June-July	Double White	18 in	20c	2.00	
STATICE	Sea Lavender						Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
Latifolia		July-Sept	Lavender	2 ft	15c	1.50	

STATICE LATIFOLIA

YUCCA FILAMENTOSA

The collections of Perennial Plants offered on page 112 are excellent value.

SWEET WILLIAM. (Dianthus Barbatus)

VERONICA SUBSESSILIS

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
STOKESIA	Stokes' Aster						
Cyanea		July-Oct.	Pale Blue	18 in.	15c	1.50	Produces showy Aster-like flowers from 4-5 inches across; it is of easiest culture, succeeding in any open position; used as a cut flower and for planting in masses in the hardy border.
Alba		July-Oct.	White	18 in.	15c	1.50	
SWEET WILLIAM							
Carmine Beauty		June-July	Carmine Pink	18 in.	15c	1.50	The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow them to perfection. It is advisable to renew the plants every 2 or 3 years, as the size of the blooms seems to decrease as the plants get older, and even dividing the old clumps, does not give the same results as young plants do.
Diadematus		June-July	Mixed	18 in.	15c	1.50	
Johnson's Giants, large flowers		June-July	Mixed	18 in.	15c	1.50	
Nigrescens		June-July	Deep Maroon	18 in.	15c	1.50	
Roseus		June-July	Bright Red	18 in.	15c	1.50	
Flora Plena		June-July	Double Red	18 in.	15c	1.50	
Sutton's Scarlet		June-July	Bright Scarlet	18 in.	15c	1.50	
Single Red, Salmon or White		June-July	Any color	18 in.	15c	1.50	
Single and Double		June-July	Mixed	18 in.	15c	1.50	
TARRAGON (True German)				First size roots	25c	2.50	Used for culinary purposes.
				Good 2nd size	15c	1.50	
THALICTRUM	Meadow Rue.						
Adiantifolium		June-Aug.	Yellow	8 in.	15c	1.50	These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. They make fine border plants for partial shade or sun, and will thrive in any good soil or situation.
Delavayi		June-Aug.	Dark Lilac	2½ ft.	30c	3.00	
Dipterocarpum (New)		June	Rosy Purple	5-6 ft.	50c	5.00	
Flavum		June-Aug.	Yellow	4 ft.	15c	1.50	
THYMUS Vulgaris	Thyme			12 in.	15c	1.50	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TRADESCANTIA							
Virginica	Spider Wort	July-Aug.	Blue	3 ft.	15c	1.50	A native plant that will thrive almost anywhere. The flowers are curious and produced in a succession throughout the whole Summer. The foliage is like the day lilies, is persistent and keeps green all Summer. Desirable for naturalizing.
Alba		July-Aug.	White	3 ft.	20c	2.00	
Lilacina		July-Aug.	Lilac	3 ft.	20c	2.00	
Rubra		July-Aug.	Rose	3 ft.	20c	2.00	
TRILLIUM	Wake Robin.						
Grandiflorum		May-June	White	12 in.	10c	1.00	One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.
TRITOMA	Red Hot Poker or Torch Lily						
Corallina (New)		Aug.-Oct.	Brilliant Scarlet	2½ ft.	35c	3.50	A most striking and exceedingly ornamental autumn flowering class of plants. Their noble aspect and showy flower spikes and dense foliage render them invaluable for shrubberies, flower borders, beds or lawns. They like light, sandy soil, plenty of manure and abundance of water, and should have protection in Winter with straw or leaves. Pfitzeri is everblooming and makes a good flower for cutting. The size of flower-spike, and brilliant colors of the newer kinds, are striking advances on the older ones.
Express		July-Aug.	Orange-Scarlet	3 ft.	15c	1.50	
Leda (New)		Aug.-Oct.	Orange-Scarlet	3-4 ft.	35c	3.50	
Macowani		Aug.	Ripe Apricot	2-3 ft.	30c	3.00	
Obelisque		Aug.-Nov.	Chrome Yellow	3 ft.	25c	2.50	
Ophir (New)		Aug.-Oct.	Deep Orange	2-3 ft.	35c	3.50	
Pfitzeri	Everblooming Flame Flower	Aug.-Nov.	Orange Scarlet	3 ft.	15c	1.50	
Uvaria Grandiflora		Aug.-Nov.	Bright Orange	4 ft.	15c	1.50	
TROLLIUS	Globe Flower.						
Asiaticus Fl. Pl. Croceo		May-June	Dark Orange	18 in.	25c	2.50	The Globe Flowers are beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situations with heavy soil. Are useful for naturalizing by side of ponds or borders. The flowers are borne on stiff stems and are valued for cutting.
Caucasicus Orange Globe		May-June	Glowing Orange	3 ft.	25c	2.50	
Japonicus Excelsior			Dark Orange	2 ft.	25c	2.50	
TUNICA							
Saxifraga		June-July	Pink	1 ft.	25c	2.50	A very pretty little rock or border plant, bearing dainty pink flowers on slender stems. It likes a position in full sun. Rock plants are becoming very popular.
VALERIANA	Garden Heliotrope.						
Officinalis		June-July	Pink	3 ft.	15c	1.50	A good border plant with sweet scented flowers of heliotrope odor, worthy of a place in the back part of hardy gardens.
VERONICA	Speedwell.						
Longifolia Subsessilis		July-Aug.	Blue	2½ ft.	20c	2.00	Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed. Subsessilis is the best of the tall growing species and makes a fine cut flower. All are worthy of cultivation.
Spicata		July-Aug.	Bright Blue	18 in.	15c	1.50	
Compacta		July-Aug.	Light Blue	10 in.	15c	1.50	
Rosea		July-Aug.	Rose Pink	18 in.	15c	1.50	
VINCA							
Minor	Green Myrtle	June	Blue	4 in.	10c	1.00	Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live; they soon make a carpet.
Argentea Variegata		June	Blue	4 in.	25c	2.50	
VIOLA Odorata	English Violet	May-June	Dbl. Deep Purple	8 in.	20c	2.00	Should be planted in every garden, thrives well in partial shade, and are prized for the sweetness of the blossom.
YUCCA Filamentosa	Adam's Needle	June-July	Pure White	4-5 ft.			A charming plant to group in the hardy flower border, cemetery or as specimens in the lawn.

Price—2 yr., 25c; 3 yr., 50c; 4 yr., 75c; 5 yr., $1.00 each.

Ornamental and Flowering Shrubs and Trees

BERBERIS THUNBERGII (The Japanese Barberry)
The deep, red autumn foliage of the Berberis Thunbergii enhances its value for every group and should be considered indispensable for every lawn.

There is nothing that will add to the beauty and value of the home so much as well-selected, judiciously planted shrubs, and considering their very moderate cost and the fact that they last forever when properly cared for, is the best reason why they should surround every home. We shall always be pleased to make suggestions as to the best varieties to plant for certain purposes or locations.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is never moved from the cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape and are recommended where immediate effect is desired.

SHIPPING DIRECTIONS. Shrub orders amounting to $5.00 and over, include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions. as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

A denotes shrubs which attain 9 to 12 feet in height at maturity.
B denotes shrubs which attain 5 to 8 feet in height at maturity.
C denotes shrubs which attain 1 to 4 feet in height at maturity.

Regarding Prices Where the price for each is—

$0.10, we supply 3 for $0.25, 12 for $1.00	$0.45, we supply 3 for $1.25, 12 for $4.80	$0.75, we supply 3 for $2.15, 12 for $ 8.00
.15, we supply 3 for .40, 12 for 1.50	.50, we supply 3 for 1.40, 12 for 5.40	.80, we supply 3 for 2.25, 12 for 8.50
.20, we supply 3 for .50, 12 for 1.80	.55, we supply 3 for 1.55, 12 for 6.00	.85, we supply 3 for 2.40, 12 for 9.00
.25, we supply 3 for .65, 12 for 2.40	.60, we supply 3 for 1.70, 12 for 6.60	.90, we supply 3 for 2.50, 12 for 9.50
.30, we supply 3 for .80, 12 for 3.00	.65, we supply 3 for 1.85, 12 for 7.20	.95, we supply 3 for 2.75, 12 for 10.50
.35, we supply 3 for 1.00, 12 for 3.60	.70, we supply 3 for 2.00, 12 for 7.50	1.00, we supply 3 for 2.90, 12 for 11.00
.40, we supply 3 for 1.10, 12 for 4.20		

Where personal selection of any stock is made by customers at our Nursery, we always charge according to its value.

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.), two blocks south of 47th Street, the continuation of East Boulevard.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring.
Double Pink or Double White, 2 to 3 ft., **50c.**

ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.

Double White, Pink or Red, 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**
Same colors, tree form, 4 to 5 ft., **60c;** specimens **75c to $1.00.**
Single Blue, 3 to 4 ft., **45c.**

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft. specimens, **$1.00.**

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year, **35c;** 3-year, **50c.**

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, **35c;** 3-year, **45c.**

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long; the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the large or tree-like stems surrounded at the base by smaller, unbranched shoots.

Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 3 to 4 ft., **50c.**

Maximowiczi. (A.) A remarkable small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems. 3 to 4 ft., **50c.**

Pentaphylla. (B.) A pretty Japanese shrub of medium size and rapid growth, branches furnished with spines, leaves palmate, five lobed. 2 to 3 ft., bushy, **50c.**

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c;** specimens 6 ft., **$1.00 to $1.25.**

ARTEMISIA (Southernwood or Old Man) (C)

Abrotanum. A deciduous shrub well known for its fragrance. Extra strong bushes. 2 ft., bushy, **30c.**

AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, **75c; $45.00** per 100.

BENZOIN (The Spice Bush)

A hardy ornamental shrub, thriving best in moist, loamy soil. Very attractive as a specimen plant and for massing on the banks of streams or margins of ponds. An early-flowering shrub, growing naturally from Canada to Georgia, westward to Kansas. Leaves bright green, fading in autumn with intense tones of yellow. Flowers yellow, in early spring, appearing before the leaves. Berries scarlet, in late summer or early autumn. Attains a height of 6 to 10 feet under ordinary conditions. 2 to 3 ft., **50c.**

BERBERIS (Barberry)

Hardy shrubs with thorny branches, thriving in almost any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.

Ilicifolia. (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 1½ to 2 ft., **75c;** 2 to 2½ ft., **$1.00;** 3 ft., **$1.25.** These prices are for stock with ball of earth and burlapped.

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
1-year	10 to 12 in.	$0.15	$0.30	$1.00	$ 6.00
2-year	15 to 18 in.	.20	.40	1.25	8.50
3-year	18 to 24 in.	.40	1.00	3.60	25.00
4-year, bushy		.45	1.25	4.80	35.00
5-year specimens		.85	2.40	9.00	60.00

Vulgaris. (European Barberry). (B.) A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., **25c;** per 100, **$12.00;** 2 to 3 ft., **35 c;** 3 to 4 ft., **50c.**

Vulgaris Purpurea. (Purple-leaved Barberry.) (B.) Especially remarkable for purple foliage and fruit. When full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. Endures partial shade and is perfectly hardy. 2 to 3 ft., **35c.**

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. Nice bushy stock: 1½ to 2 ft., **40c;** 2 to 3 ft., **60c;** 3 to 4 ft., **75c.**

CALYCANTHUS (Sweet Shrub)

See page 125 for prices on 3 and 12 of a kind

BECHTEL'S DOUBLE-FLOWERING CRAB (An ideal LawnTree)

BERBERIS (Barberry)

CARAGANA SIBERICA (Siberian Pea Tree) (A)

A large shrub with compound leaves, consisting of 8 to 12 bright green leaflets. Native of Siberia. Flowers yellow, in numerous small clusters in late spring. Grows 10 to 12 feet tall. 2 to 3 ft., **40c**; 3 to 4 ft., **50c.**

CEANOTHUS AMERICANA (Jersey Tea) (B)

A small sbrub with a profusion of white flowers in crowded panicles, in June. One of tbe best sbrubs for growing in sbady places. 1 ft., busby, **45c**; 1½ ft., busby, **60c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A bardy vigorous sbrub witb large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to tbe sun. 3 to 4 ft., **50c**; 4 to 5 ft., specimens, **75c to $1.00.**

CERASUS

Virginica. (Choke Cherry.) A handsome shrub or small tree witb small racemes of beautiful wbite flowers. Leaves dark green, oval in sbape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 6 to 7 ft., eacb, **$1.00.**

CHIONANTHUS VIRGINICA (White Fringe Tree)

Large sbrub or small tree, with large, beavy leaves almost hidden in spring by a thick mist of fragrant, drooping wbite flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a beigbt of 9 to 15 ft. 18 to 24 in., **40c**; 2 to 3 ft., **50c.**

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a heigbt of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy wbite, fragrant, in erect or pinaeled racemes. A grand flowering sbrub. Tbrives in moist loamy soil. 1½ to 2 ft., **35c**; 2 to 3 ft., **50c.**

COLUTEA ARBORESCENS (Bladder Senna) (C)

A tall sbrub witb compound leaves, consisting of 9 to 13 dull green leaflets. Flowers yellow, pea-shaped, tinged witb reddisb brown, followed by large inflated, often bigbly colored seed-pods. Very attractive and ornamental. 3 to 4 ft., **50c**; 4 to 5 ft., **65c.**

CORCHORUS (Kerria)

The Globe Flower or Japanese Rose

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn witb tones of yellow. Flowers numerous, brigbt yellow, large and showy. A cbarming old-fashioned plant. 1½ to 2 ft., **40c.**

Japonica Flore Pleno. Double flowered. Tbis fine old shrub sbould be in all collections. It is of spreading babit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from eacb leaf axil. It is excellent for massing. 1½ ft., bushy, **40c.**

CORNUS (Dogwood)

Hardy and vigorous sbrubs, tbriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of tbe species, tbey are very attractive objects in winter on account of the brilliant color of tbe bark of the young shoots and twigs. Valuable for sbrub borders and for waterside planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large sbrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., **50c.**

Gouchaulti. Yellow and green variegated foliage, with red bark, attractive. 1½ to 2 ft., **60c.**

Mas. (Cornelian Cherry) (B) One of tbe earliest of spring blooming shrubs, bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cberries, very ornamental. 2 to 3 ft., **50c**; 3 to 4 ft., **60c.**

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., **35c**; 3 to 4 ft., **60c**; 5 ft. specimens, **$1.00.**

Sericea. (Silky Dogwood) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 2 to 3 ft., **40c.**

CORNUS—Continued

Siberica. (Siberian Red Osier) An upright sbrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very busby.

Height	Each	Three	Doz.	100
2-3 ft.	$0.35	$1.00	$3.60	$25.00
3-4 ft.	.50	1.40	5.40	35.00
4-5 ft.	.75	2.15		
Seedlings 5-6 ft.	.40	1.10	4.20	30.00
Seedlings 6-7 ft. Specimens	.60	1.70	6.60	45.00

Stolonifera Aurea. (Golden-twigged Osier) A variety with golden yellow bark, very attractive. Planted in masses witb the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., **45c**; 3 to 4 ft., **60c.**

CRAB (Bechtel's Double Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring witb large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., **$1.00**; 4 to 5 ft., **$1.75**; 5 to 6 ft., specimens, **$3.00 to $6.00.**

(See also Malus Floribunda.)

CRATAEGUS (Hawthorn)

Crus Galli. (Cockspur Thorn.) (C.) A broad round-topped sbrub or small tree witb very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly witb the sbining green leaves. Tbe dull red fruits bang from tbe branches all winter. 3 to 4 ft., bushy, **60c.**

Coccinea. (Scarlet-fruited Thorn.) (B.) A fine native variety. Single white flowers in spring, scarlet fruit in autumn. 3 to 4 ft., busby **50c.**

CYDONIA

Hardy shrubs with handsome flowers in early spring. Tbey are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. Tbcy thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., busby, **35c**; per 100, **$25.00**; 2 to 3 ft., busby, **50c.**

Gaujardi. (B) Orange-colored flowers. Large sbowy fruit. Forms a large sbrub. 2 to 3 ft., **50c.**

Umbilicata. (B) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large sbrubs. 2 to 3 ft., **40c**; 3 to 4 ft., **50c.**

CYTISUS LABURNUM (Golden Chain)

A native of Europe, which takes its name from tbe long drooping racemes of yellow flowers wbicb appear in June. 2 to 3 ft., **40c.**

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant wbicb dies to tbe ground in winter, but comes up vigorously each spring. Bears attractive sprays of brigbt rose-colored flowers in September. 2-year, **35c**; 3 year, **50c.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Tbcir hardihood, fine babit, luxuriant foliage and profusion of attractive flowers places tbem among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, tbriving in almost any well-drained soil.

Crenata fl. pl. (B.) A handsome free-flowering sbrub, with numerous upright branches. Leaves dull green, rough on both sides, 2 to 3 inches long. Flowers double, pure white, in erect panicles 2 to 4 in. long. 2 to 3 ft., **35c**; 3 to 4 ft., bushy, **50c.**

Crenata Rosea fl. pl. (B.) Very similar to Crenata fl. pl., but very showy with its outer petals a handsome rosy purple. 2 to 3 ft., each, **40c.**

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 10 to 12 in., bushy, **25c**; per 100, **$12.00**; 1½ ft., bushy, 40 to 75 branches, **40c**; per 100, **$22.00.**

Lemoinei. (B.) A hybrid of tbe well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growtb. 1½to 2 ft., **40c**; 3 ft. specimens, **75c.**

DEUTZIA CRENATA Fl., Pl.

FORSYTHIA (Golden Bell)

EXOCHORDA (Pearl Bush)

DEUTZIA — Continued

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 2 to 3 ft., **35c**; 3 to 4 ft., **50c.**

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

ELEAGNUS (Silver Thorn)

Hardy shrubs with handsome foliage and showy fruits. The young branches and leaves are covered with silvery or brownish scales, which impart a singular lustre and aspect. They thrive in almost any well-drained soil, preferring sunny situations.

Angustifolia. (Russian Olive.) (B.) A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 3 to 4 ft., **45c.**

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush.) (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 1½ ft., **45c**; 2 to 3 ft., **75c**; 3 to 4 ft., **$1.40**; 4 to 5 ft. specimens, **$2.50** to **$3.50**; 5 ft., specimens, **$4 to $5.00.**

Americanus. (Strawberry Bush.) (B.) An erect shrub with slender green branches, leaves bright green. Fruit warty, rose color, with scarlet seed coats. 2 to 3 ft., **50c.**

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 2 to 3 ft., **30c**; 3 to 4 ft., **40c**; 4 to 5 ft., **60c**; 5 to 6 ft., **75c**; 6 ft. specimens, **$1.00.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft., **40c**; 3 to 4 ft., **60c.**

FONTANESIA FILARIAEFOLIA (B

A large shrub with somewhat slender shoots and small leaves, bearing small clusters of small white flowers with yellowish anthers, towards the close of May. 2 to 3 ft., **35c**; 4 to 5 ft., **60c.**

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia.) (B.) A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 2 to 3 ft., **30c**; 3 to 4 ft., **50c**; 4 to 5 ft., **60c.**

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., **30c**; 2 to 3 ft., bushy, **45c**; 3 to 4 ft., bushy, **60c.**

Sieboldi. (B.) Of drooping habit, flowers bell-shaped, light yellow; very pretty. 2 to 3 ft., **35c.**

Suspensa. (The Weeping Forsythia.) (B.) A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 2 to 3 ft., bushy, **35c**; 3 to 4 ft., bushy, **50c.**

Viridissima. (B.) A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 2 to 3 ft., **30c**; 3 to 4 ft., **40c**; 4 to 5 ft., **50c.**

GUELDER ROSE. See Viburnum Sterilis.

HALESIA (Silver Bells)

Tetraptera. A native shrub, the short, stout branches bearing a wealth of drooping white flowers in early spring. Leaves oval, finely serrate, bright green, turning pale yellow in autumn. A beautiful flowering tree. Fruit with four papery wings. 2 to 3 ft., **40c.**

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 3 to 4 ft., **50c**; 4 to 5 ft., **75c.**

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn; 2 to 3 ft., **35c**; 3 to 4 ft., **50c**; 5 to 6 ft., **75c**; 6 to 7 ft. specimens, **$1.00.**

CHIONANTHUS (White Fringe)
(For description see preceding page)

EUONYMUS ALATUS
(Burning Bush)

PYRUS (MALUS) ARBUTIFOLIA
(See page 129)

HYDRANGEA PANICULATA GRANDIFLORA

PRIVET HEDGE

HYDRANGEAS

ARBORESCENS GRANDIFLORA "SNOWBALL" (New) (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr. **35c**; 3-yr. **50c**; 4-yr. **60c.**

PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.	100
2-year, heavy	30c	$0 80	$3 00	$22 00
3-year	40c	1 10	4 20	25 00
4-year	50c	1 40	5 40	35 00

(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. 1½ ft. stem, **50c**; 2 ft., clear stem, **each, 60c**; extra selected, 3 ft. stem, **each, 75c**; **$1.00** and **$1.25.**

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurense. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
12 to 18 in	$0.20	$0.50	$1.80	$10.00
1½ to 2 ft	.25	.65	2.40	15.00
2 to 3 ft., bushy	.30	.80	3.00	20.00
3 to 4 ft., extra bushy	.40	1.10	4.20	28.00
4 to 5 ft., specimens	.65	1.85	7.20	50.00

Ciliatum Small Japancse shrub with pointed elliptical leaves, white flowers, followed by black berries the size of a pea. 12 to 18 in., **15c**; 2 to 3 ft., bushy, **25c.**

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

Height	Each	Three	Doz.	100
12 to 18 in	$0.20	$0.50	$1.80	$12.00
18 to 24 in	.25	.65	2.40	15.00
2 to 3 ft., bushy	.35	1.00	3.60	20.00
3 to 4 ft., bushy	.50	1.40	5.40	28.00
4 ft., specimens	.60	1.70	6.60	

Ovalifolium. (California Privet). (B) Not hardy in vicinity of Chicago. 2 to 3 ft., bushy, **20c**; per 100, **$10.00.**

HYDRANGEA PANICULATA GRANDIFLORA

LIGUSTRUM—Continued

Regelianum. (Prostrate Privet.) (B) This beautiful, graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 18 to 24 in., **30c**; **100, $18.00**; 2 to 3 ft., **40c**; **100, $25.00**; 4 ft. specimens, **75c.**

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts, Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 in	$0.12	$0.30	$1.00	$ 6.00
2 to 3 ft	.25	.65	2.40	16.00
3 to 4 ft	.35	1.00	3.60	25.00

LILACS (True Syringa) (B)

Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes. 2 to 3 ft., **each, 30c; per 100, $18.00**; 3 to 4 ft., **each, 40c; per 100, $25.00**; 4 to 5 ft., **each, 60c; per 100, $40.00.**

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft., **50c.**

Bertha Dammann. Magnificent pure white flowers, borne on large spikes. 1½ to 2 ft., **50c**; 4 to 5 ft., bushy, **75c.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong bushes. 1½ to 2 ft., **each, 40c**; 2 to 3 ft., **each, 50c; 100, $35.00**; 3 to 4 ft., **60c**; 4 ft., bushy, **75c to $1.00.**

Japonica. (Japanese Lilac.) A species from Japan, becoming a good-sized tree. Foliage dark green, glossy, leathery; flowers creamy white, odorless, in great panicles. A month later than other Lilacs. 2 to 3 ft., **35c**; 3 to 4 ft., **60c**; 4 to 5 ft., **75c**; 5 to 6 ft., specimens, **$1.00 to $1.50.**

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 2 to 3 ft., **50c.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **50c.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., **each, 40c**; 2 to 3 ft., extra bushy, **each, 55c**; 3 to 4 ft., extra bushy, **75c**; tree form, 2½ ft. stem, specimens, **$1.00 to $1.25.**

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 3 to 4 ft., **60c.**

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., **45c**; 3 to 4 ft., **60c.**

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., **each, 35c; per 100, $25.00**; 3 to 4 ft., **each, 50c; per 100, $35.00**; 4 to 5 ft., **75c to $1.00.**

Souvenir de L. Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with compact flowers of enormous size. 3 to 4 ft., bushy, **75c**; 4 to 5 ft., bushy, **$1.00.**

Villosa. (C) A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant; foliage resembles that of the White Fringe. Especially valuable as its flowers appear two weeks after those of other Lilacs. 2 to 3 ft., **60c.**

Vulgaris. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
12 to 18 in	$0.20	$0.50	$1.80	$12.00
1½ to 2 ft	.30	.80	3.00	18.00
2 to 3 ft	.45	1.25	4.80	28.00
3 to 4 ft	.50	1.40	5.40	35.00

4 to 5 ft., extra bushy **75c to $1.00.**

LILACS ON THEIR OWN ROOTS

These have a great advantage over the usually offered budded stock. They are much longer lived, improve in beauty each year; and they withstand our severest winters. The demand for them becomes greater each year.

We have been fortunate enough to procure the following varieties in good, strong stock, but regret to say that the supply is very limited, and strongly advise customers to order early.

All are fully described in the general list of varities given above.

Charles X, Marie Legraye, Pres. Grevy, Souv. de L. Spaeth. 2 to 3 ft., **each, $1.00 to $1.25.**

We have the ideal Shrubs for lawn planting because our method of growing produces only well formed symmetrical plants with a strong and vigorous constitution. Each plant is given space enough at the Nursery to develop into its own natural form and by many times transplanting we produce those fine fibrous roots wherein lies our great success in furnishing stock with the ability to grow where the ordinary kinds die.

MATRIMONY VINE—See Lycium

Our pamphlet "Planting Suggestions" (free on request) tells all about our trees and shrubs, and how to plant and treat them—get it.

PHILADELPHUS (Syringa)

LILAC CHARLES X

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines," page 110.

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Height 1 to 2 feet. Well adapted for rock-gardens.

Bella Candida. A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., **50c.**

Ledebouri (B.) A distinct species with red flowers in May; pretty; 4 to 5 ft., **50c;** 5 ft. specimens, **75c.**

Morrowii. (Japanese Bush Honeysuckle) **(B.)** A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Tartarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) **(B.)** 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Tartarica Rosea (Pink Tartarian) **(B.)** 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Virginalis Alba. White flowers, resembling T. Alba. 3 to 4 ft., **50c.**

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over 2 year, **25c;** per 100, **$15.00;** 3 year, **35c;** per 100, **$22.00;** 4 year, **40c;** per 100, **$28.00.**

MAGNOLIA

We offer the two varieties best adapted to our climate, and that have proven hardy in Chicago.

Halleana (Japan Magnolia). Dwarf and shrubby. Its pure white semi-double flowers are quite fragrant and produced in April; earlier than those of other varieties. New and scarce. 2 to 2½ ft., **$3.00.**

Soulangeana. Flowers white and purple, 3 to 5 in. across, borne in May, before its leaves, which are massive and glossy. Among the hardiest and finest of foreign Magnolias. 3 to 4 ft., **$3.00.**

MAHONIA

Aquifolia (Holly-leaved Barberry or Oregon Grape). A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 2 year, **50c;** 3 year, **75c.**

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Coronaria (Wild Crab-Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 2 to 3 ft., **60c.**

Floribunda (Flowering Crab). Single flower; beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 2 to 3 ft., **50c.**

Floribunda Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 2 to 3 ft., **50c.**

Floribunda Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 2 to 3 ft., **50c.**

MORUS (Mulberry)

Tartarica (Russian) 20 to 25 ft. Hardier in the northwest than all others. 4 to 5 ft., **each 50;** 5 to 6 ft., **each 75c;** 5 to 6 ft., specimens, **$1.00;** 7 ft. specimens, **$1.25.**

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 1½ to 2 ft., **each, 25c;** 2 to 3 ft., bushy, **each, 35c;** 3 ft., bushy, **60c.**

Bouquet Blanc. Double or semi-double flowers; very floriferous. 2 to 3 ft., **35c.**

Coronarius Aureus. (Golden leaved Mock Orange), much prized for its bright effect. 1½ to 2 ft., bushy, **40c;** 2 to 3 ft., bushy, **50c.**

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 1½ to 2 ft., **35c.**

Falconeri. A graceful shrub with arching branches of pure white starry flowers. Very free-flowering. 3 to 4 ft., **40c;** 4 to 5 ft., **50c;** 6 to 7 ft., **75c.**

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., **25c;** 2 to 3 ft., bushy, **40c;** 3 to 4 ft., bushy, **50c;** 4 to 5 ft., busby, **65c;** 5 to 6 ft., bushy, **$1.00.**

Lemoinei Erectus (B). A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 1½ to 2ft ., **25c;** 2 to 3 ft., bushy, **40c.**

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 1½ ft., bushy, **50c.**

Mont Blanc. Attaining 5 ft. in height, erect branches, entirely covered with large fragrant flowers. 2 to 3 ft., **45c;** 4 ft., bushy, **60c.**

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties

BURBANK'S OTHELLO PLUM. A purple-leaved Plum. A useful fruit with splendid foliage. Our own introduction. A rare combination of the useful and the beautiful. A wonderful new fruit and ornamental tree; one of Luther Burbank's creations, of which we purchased the first and only tree in 1905.

The tree is an upright grower, and a prolific bearer; fruit deep crimson about one inch in diameter, ripening before the very earliest of ordinary plums.

The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

Height	Each	Three	Doz.	100
2½ to 3 ft.	$0.50	$1.40	$5.40	$30.00
3 to 4 ft.	.60	1.70	6.60	40.00
4 to 5 ft.	.75	2.15	8.00	60.00
5 to 6 ft.	1.00	2.90	11.00	75.00

7 ft. specimens, **$1.25** to **$1.50** each.

Pissardi (A) (Purple-leaved Plum). A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 3 to 4 ft., **60c.**

Spinosa (Blackthorn.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., bushy, **50c.**

Triloba (B.) (Double-flowered Plum) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 2 to 3 ft., **50c;** 3 ft., selected, **60c.** Tree form, specimens, 3 ft., stem, **$1.00;** 4 ft., clear stem, **$2.50.**

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree, of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., **30c.**

SNOWBERRY
(See Symphoricarpus)

SPIRAEA BILLARDII

SPIRAEA SORBIFOLIA

WEIGELIA

RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils, and are not averse to partial shade.

Catharticus (A.) A fine, robust shrub, with dark, green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., **each, 25c; per 100, $15.00;** 3 to 4 ft., **each, 35c;** 5 to 6 ft., **60c;** 7 ft. specimens, **$1.00.**

Frangula (Alder Buckthorn.) **(B.)** A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 3 to 4 ft., **35c;** 5 to 6 ft., **60c;** 7 ft. specimens, **$1.00.**

Imeritina (B.) A variety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 2 to 3 ft., **60c.**

Purshiana (B.) A rare shrub, valuable for its long dark leaves and red berries which turn to black in the fall. 6 to 7 ft. specimens, **$1.00.**

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., **each, 40c;** 3 to 4 ft., **60c.**

RHUS (Sumach)

Copallina (Dwarf or Shining Sumach). **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 1½ ft., **40c;** 2 to 3 ft., **60c.**

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 1½ to 2 ft., **30c;** 2 to 3 ft., **40c;** 4 to 5 ft., **60c;** 5 to 6 ft. specimens, **$1.00.**

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 2 to 3 ft., **25c;** 3 to 4 ft., **35c;** 4 to 5 ft., **45c;** 5 to 6 ft., **60c;** 6 to 7 ft., **75c;** 8 to 12 ft., **$1.00.**

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **each, 50c;** 3 to 4 ft., **75c.**

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 4 to 5 ft., **60c;** 6 to 7 ft., **75c.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains a height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c;** 5 to 6 ft., **85c.**

RIBES, OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 3 to 4 ft., **50c.**

Aureum (Yellow-flowering or Missouri Currant.) **(B.)** A native shrub, with glabrous shining leaves and yellow sweet-scented flowers in June. 3 to 4 ft., **35c;** 4 to 5 ft., **50c;** 5 to 6 ft. specimens, **75c.**

ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., **50c;** 2 to 3 ft., **75c.**

ROBINIA (Black Locust)

Pseud-acacia. A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., **30c; per 100, $18.00;** 5 to 6 ft., **50c; per 100, $40.00;** 6 to 7 ft., specimens, **75c; per 100, $50.00.**

For Prices on 3 and 12 of a kind, see top of page 125.

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 year, **30c;** 3 year, **50c.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2-year old, **30c;** 3-year old, **50c.**

Rugosa (Japanese Rose). An upright shrub with spreading branches, densely beset with spines and prickles. Leaves wrinkled, dark lustrous green above, pale beneath. Flowers, single red, 3 inches or more across, very showy. Fruits bright red, large and effective. A grand shrub. 1 year, strong, **15c;** doz., **$1.50;** per 100, **$10.00.** (For other Rugosa Roses, see page 107.)

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 3-year old plants, **50c.**

SALIX (Willow)

Hardy and rapid growing shrubs, suitable for waterside planting.

Babylonica. (Weeping Willow.) The stock we offer is grown in bush form to be used not as a tree, but as a shrub. Strong, bushy plants. 6 to 7 ft., **60c;** 7 to 8 ft., **75c.**

Japonica. This has broad, shining green leaves, quite ornamental. 7 to 8 ft., **75c.**

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 18 inch, **25c;** 5 to 6 ft., **60c.**

Laurifolia. (Laurel-leaved Willow.) A rapid grower, erect form, with broad, glossy, dark green leaves; admirable for sea-shore and narrow streets. 4 to 5 ft., **60c;** 5 to 6 ft., **75c to $1.00.**

Viminalis. (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 4 to 5 ft., **60c.**

Wisconsin Weeping. Of drooping habit and hardier than Babylonica. Valuable on account of its resistance to severe cold. 5 to 6 ft., **50c;** 6 to 7 ft., **75c.**

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., **30c;** 3 to 4 ft., **45c.**

Nigra. (The Black Elder.) 3 to 4 ft., **45c.**

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 3 to 4 ft., **35c;** 4 to 5 ft., **50c;** 5 to 6 ft. specimens, **75c.**

Racemosa. Attractive red berries in summer. 2 to 3 ft., **35c.**

SHAD BUSH. See Amelanchier.
SILVER THORN. See Eleagnus.
SMOKE TREE. See Rhus Cotinus.
SNOWBALLS. See Viburnum,
SNOWBERRY. See Symphoricarpus.
SWEET BRIAR. See Rosa Rubiginosa.
SWEET SHRUB. See Calycanthus.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., extra bushy, **40c;** 1½ to 2 ft. specimens, **60c;** 2 ft. specimens, **75c.**

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green, fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., **45c;** 3 to 4 ft., bushy, **60c;** 4 ft. specimens, **75c to $1.00.**

Billardii. (B.) Pink flowers: blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower.

Height	Each	Three	Doz.	100
3 to 4 ft.	**$0.30**	**$0.80**	**$3.00**	**$20.00**
4 to 5 ft.	**.40**	**1.10**	**4.20**	**28.00**
5 to 6 ft.	**60c to 75**			

SPIRAEA—Continued

Bumalda (Everblooming Spiraea.) A remarkably free-flowering shrub with upright branches, attaining a height of about 2 feet. Leaves bright green, with serrate borders. Flowers deep pink, produced in large flat-topped clusters, blossoming throughout the summer and fall. 1 to 1½ ft., extra bushy, **40c.**

Callosa. (Fortune's Spiraea.) **(D.)** Has large panicles of deep rosy blossom, grows freely and blooms nearly all summer. 2 ft., bushy, **35c;** 3 to 4 ft. extra bushy, **60c.**

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 2 to 3 ft., **40c.**

Callosa Froebeli Variegata. A variegated leaved, free-flowering variety, flowers rose. 2 to 2½ ft., extra bushy, **35c;** 3 to 4 ft., **50c.**

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Leaves ovate, deeply lobed, bright green and lustrous. Flowers whitish, in early summer, disposed in numerous clusters along the branches, very showy. Especially valuable for shaded places. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Opulifolia aurea. (Golden-leaved Nine Bark.) **(B.)** An interesting variety with golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 4 to 5 ft., **50c.**

Prunifolia Fl. Pl. (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 ft., **45c.**

Thunbergii. (Thungberg's Spiraea.) **(B.)** Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom the branches appear as if covered with drifted snow. 1½ to 2 ft., bushy, **40c;** 2 to 3 ft., extra bushy, **50c;** 3 ft. specimens, **60c to 75c.**

SPIRAEA VAN HOUTTEI (Bridal Wreath)

This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1 to 1½ ft.	$0.20	$0.50	$1.80	$10.00
2 to 3 ft.	.25	.65	2.40	15.00
3 ft., bushy	.40	1.10	4.20	25.00
3 to 4 ft. bushes	.50	1.40	5.40	30.00
4 to 5 ft.	.60	1.70	6.60	45.00

5 ft. specimens, **75c to $1.00.**

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground; neat and ornamental hedge plant. 2 to 3 ft., **50c.**

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, especially when covered with berries in fall and winter. Grow 3 to 6 ft. high; small leaves and slender branches.

Heyeri. **(B.)** Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Occidentalis. **(B.)** One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 2 to 3 ft., **30c;** 3 to 4 ft., **40c;** 5 ft. specimens, **50c.**

Racemosus. (Snowberry.) **(B.)** A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. Berries white, long persistent, produced in showy profuse clusters, the branches bending under their weight. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Vulgaris. (Coral-Berry or Indian Currant.) **(B.)** A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green, persisting until early winter. Flowers greenish red, in summer. Berries coloring in early autumn, very showy. A capital companion to the Snowberry. Does well in shade. 2½ to 3 ft., bushy, **30c; per 100, $20.00;** 3 ft., bushy, **35c; per 100, $25.00;** 4 ft. specimens, **50c.**

Vulgaris Foliis Variegatis. **(C.)** Same as the Vulgaris, except the foliage, which is green and white; ornamental dwarf shrub. 2½ to 3 ft., **30c;** 3 to 4 ft. specimens, **45c.**

TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside planting.

Amurense. A splendid new hardy variety, with silky pink tassels; flowers al summer. 3 to 4 ft., **each 45c.**

Gallica. Foliage fine and feathery on long slender branches that are covered their entire length with pink, plume-like flowers. 5 to 6 ft. specimens, **60c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 3 to 4 ft., **50c.**

Indica. Handsome shrub, with fine foliage, like that of the Juniper. Valuable for planting in sand and soil that few plants will do well in; small pink flowers. 6 to 7 ft. specimens, **75c.**

Tetrandra Purpurea. A mass of purplish pink flowers in June and July. 1 to 1½ ft., **20c;** 3 to 4 ft., **45c;** 5 to 6 ft., **60c.**

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

Acerifolium. (Maple Leaved Viburnum.) **(C.)** A low-growing shrub, white flowers in May, followed by black berries in the fall. Suitable for shade. 3 to 4 ft., **50c.**

SPIRAEA VAN HOUTTEI (Bridal Wreath)

VIBURNUM — Continued

Dentatum. (Arrow Wood.) **(B.)** May and June. A free-flowering shrub, especially admired for the abundance of its scarlet fruits that cling to the branches a long time. 2 to 3 ft., **40c;** 3 to 4 ft., extra bushy, **60c.**

Lantana. (Wayfaring Tree.) **(A.)** Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded with red fruit; retains its foliage very late. 2 to 3 ft., **35c;** 3 to 4 ft., bushy, **50c.**

Molle. (Glossy Viburnum.) A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. A fine shrub for shady places. 3 to 4 ft., bushy, **60c;** 4 to 5 ft. specimens, **75c to $1.00.**

Opulus. (High-Bush Cranberry.) **(A.)** May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 2 to 3 ft., **each 40c;** 3 to 4 ft., **each 50c;** 5 ft. specimens, **each,60c to $1.00.**

Plicatum. (Japanese Snowball.) This Japanese variety forms an erect, compact bush, 6 to 8 ft. high. It blossoms in early June, when the plant is completely covered from the ground to the top of the branches with large balls of flowers as white as snow. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Pyrifolium. (Pear-Leaved.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., **50c.**

Sterile. (Old-Fashioned Snowball or Guelder Rose.) This grand old favorite is too well known to require description. It is undoubtedly one of the best of flowering shrubs and we have a splendid stock of it. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 5 ft. specimens, **75c to $1.00;** tree form, 3 to 4 ft. stem, **75c to $1.00.**

Tomentosum. **(B.)** The single form of the Japan Snowball. Flowers pure white, in great profusion early in June. Perfectly hardy; vigorous and free-blooming; very desirable. 2 to 3 ft., **45c;** 3 ft. specimens, **60c.**

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into the most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. Distinct and beautiful. 2 to 3 ft., **35c.**

Candida. White flowering Weigelia, flowering throughout the summer. 1½ to 2 ft., **30c;** 2 to 3 ft., **40c.**

Eva Rathke. One of the best deep red flowering Weigelias. Medium dwarf in habit. Foliage rich in color and blooms produced in great abundance of the deepest red. This shrub when vigorous produces more or less flowers throughout the entire summer. Excellent as a foreground plant. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Floribunda. Fine variety, flowers dark red. A profuse bloomer, 2 to 3 ft., **30c;** 3 to 4 ft , bushy, **50c.**

Nana Variegata. **(C.)** One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Rosea. A beautiful shrub, with rose-colored flowers in May and June. 2 to 3 ft., **30c;** 3 to 4 ft., bushy, **50c.**

Sessilifolia. (High Bush Honeysuckle.) A native shrub 4 to 5 feet tall with spreading branches. Leaves without foot-stalks, bright lustrous green, 3 to 5 inches long. Flowers yellow, in terminal clusters. A very desirable low shrub. 1½ to 2 ft., **30c;** 3 to 4 ft. specimens, **60c.**

Sieboldi Var. (Variegated-Leaved Weigelia.) One of the handsomest variegated-leaved dwarf shrubs grown. The foliage is edged with silvery white. flowers, pink, June. 3 to 4 ft., bushy, **60c.**

WILLOW. See Salix,

WITCH HAZEL. See Hamamelis.

XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender pinacles of white flowers that are blotched with yellow and red. Valued for solitary planting. 2 year, **40c.**

Selection of Shrubs for Hedges.

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota and Amoor, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spraea Van Houttei.

A BLOCK OF ENGLISH ELMS AT OUR NURSERIES

SHADE AND ORNAMENTAL TREES

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.,) two blocks south of 47th Street, the continuation of East Boulevard.

Regarding Prices

Where the price for each is

$0.30, we supply 3 for	$0.80	12 for	$2.85
.35, we supply 3 for	1.00	12 for	3.75
.40, we supply 3 for	1.10	12 for	4.25
.45, we supply 3 for	1.20	12 for	4.60
.50, we supply 3 for	1.35	12 for	5.25
.55, we supply 3 for	1.45	12 for	5.75
.60, we supply 3 for	1.70	12 for	6.50
.65, we supply 3 for	1.80	12 for	7.00
.70, we supply 3 for	1.90	12 for	7.25
.75, we supply 3 for	2.10	12 for	8.00
.80, we supply 3 for	2.20	12 for	8.50
.85, we supply 3 for	2.35	12 for	9.00
.90, we supply 3 for	2.50	12 for	9.50
.95, we supply 3 for	2.65	12 for	9.75
1.00, we supply 3 for	2.75	12 for	10.00

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

SHIPPING DIRECTIONS: Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

ALDER (Alnus)

Glutinosa. European or Common Alder. A remarkably rapid-growing tree attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. This species is especially adapted to moist situations. 6 to 8 ft., 1½ in., cal., **$1.00**; 8 to 10 ft., 2½ in., cal., **$2.00.**

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 8 to 10 ft., **75c**; per 100, **$50.00**; 10 to 12 ft., 1½ inch cal., **$1.25**; per 100, **$75.00**; 10 to 12 ft., 2 inch cal., **$2.00**; 12 ft., 2½ to 3 inch cal., **$3.00**; 12 ft., specimens, 3 inch cal., **$5.00 to $6.00.**

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 8 to 10 ft., **75c**; 10 to 12 ft., **$1.00**; 12 ft., 2 to 2½ inch cal., **$1.75**; 12 ft., 3 inch cal., **$3.00 to $4.00.**

Excelsior Pendula. (European Weeping Ash.) One of the best of the weeping trees and our trees are extra fine. Makes an unique appearance when planted individually about the lawn. 8 ft. stem, 5-yr.heads, 3 in., cal., **$5.00 to $7.50.**

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 8 to 10 ft., **$1.00**; 10 to 12 ft., 2½ inch cal., **$2.25.**

BIRCH (Betula)

Alba Laciniata. (European White Weeping Birch.) A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft., **$1.75.**

Alba Purpurea. Rich dark purple foliage, graceful pendulous habit. Very ornamental. 5 to 6 ft., **$1.50.**

Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 10 to 12 ft., **$2.00 to $3.00.**

BOX ELDER (Ash-Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 8 to 10 ft., **$1.00**; 10 to 12 ft., 3 inch cal., **$3.00.**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for lansdcape designing, especially for formal effects. 2-year heads, each, **$2.00 to $3.00.**

Kaempferi. (Japan Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purplo and yellow; seed pods long and very narrow; two weeks later than syringaefolia· 8 to 10 ft., **$1.25**; 10 to 12 ft., 2 to 2½ inch cal., **$1.75.**

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 8 to 10 ft., **$1.25**; 10 to 12 ft., 2½ inch cal., **$1.75**; 10 to 12 ft., 3 to 4 inch cal., **$3.00 to $5.00.**

Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters of white and purplo fragrant flowers. 8 to 10 ft., **$1.75.**

CRAB See **Malus Floribunda** page 129.

ELM (Ulmus)

American Elm. Tall and stately with a graceful wide spreading form (vase-like), densely covered with a rich bright green foliage. It stands alone as an ornamental shade tree. The hardiest and most vigorous of all trees. The very best tree for street planting. 7 to 9 ft., **75c**; per 100, **$50.00**; 7 to 9 ft., 1½ inch cal., **$1.75**; per 100, **$125.00**; 8 to 10 ft., 2 inch cal., **$2.25**; 10 to 12 ft., 2½ inch cal., **$3.00 to $4.00**; 10 to 12 ft., 3 inch cal., **$4.50 to $6.00**; 10 to 12 ft., 4 inch cal., **$7.00 to $10.00**; 12 ft., 5 inch cal., **$12.00 to $15.00**; 12 ft., 6 inch cal., **$18.00 to $22.00.**

ELM—Continued

English Elm. (U. Campestris.) A large tree with spreading branches forming a round-topped crown. Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree in both lawns and avenues. 10 to 12 ft., **$1.50**; 12 to 14 ft., **$2.00**; 12 ft., 1½ to 2 inch cal., **$2.75**; per 100, **$225.00**; 12 ft., 2 to 2½ inch cal., **$3.50**; per 100, **$300.00.**

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; its handsome foliage retained until late autumn. 10 ft., 1½ to 2 inch cal., **$3.00**; 10 ft., 2 to 2½ inch cal., **$4.00**; 10 ft., 3 inch cal., **$5.00 to $6.00.**

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiful. Not so likely to be attacked by insects as our native elms. 8 to 10 ft., **$1.50**; 10 to 12 ft., **$3.50.**

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem. 5-year heads, **$6.00 to $10.00.**

Montana var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. 8-ft. stems, 4 and 5 year heads, **$6.00 to $12.00.**

Purpurea. (Purple-leaved.) A variety with large purple leaves, in the spring changing to dark green as season advances. 10 ft., 3 inch cal., **$4.00 to $6.00.**

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 6 to 8 ft., **$1.00**; 8 to 10 ft., **$1.75.**

GINGKO BILOBA (Maidenhair Tree)

This tree is remarkable as a deciduous member of the Pine family, with leaves that resemble those of the Maidenhair Fern. Its value lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds, Of medium height, pyramidal in growth, sparsely branched, and of characteristic irregular outline. 5 to 6 ft., **$1.75**; 8 to 10 ft., 2 to 2½ inch cal., **$4.00 to $6.00.**

JUDAS TREE (Red Bud)

It blooms in early spring. Its masses of small delicately rosy red flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., **$1.25.**

LINDEN (Tilia)

Alba Pendula. (White-leaved Weeping Linden.) A beautiful tree with large foliage and slender drooping branches. One of the finest of the Lindens. 10 ft., **$5.00.**

European Linden. (Tilia Vulgaris.) Develop into symmetrical trees that are splendid for lawn, park of street planting. Thrives best in deep loamy soils. 10 ft., 2 inch cal., **$2.25.**

Crimean Linden. (T. dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green on the upper surface, pale beneath, turning yellow and brown in autumn. A distinct and valuable Linden. 10 ft., 1½ to 2 inch cal., **$2.25.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 4 to 5 ft., **35c.** 5 to 6 ft., **50c**; per 100, **$30.00.** 6 to 8 ft., **60c**; per 100, **$40.00.** 8 to 10 ft., **75c.**

Honey Locust (American.) (Gleditschia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. Often used for hedges and wind-breaks. 6 to 8 ft., **$1.00**; 8 to 10 ft., **$1.75.**

NORWAY MAPLE

LOMBARDY POPLAR

WEEPING MULBERRY (M. Tartarica Pendula)

MAGNOLIA See page 129.

MAPLE (Acer)

Silver Maple. (Dasycarpum.) A large tree with wide spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting with high set branches. 10 to 12 ft., **$1.25** to **$1.50.**

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath and on the young wood, especially deeply and delicately cut. 10 to 12 ft., 2 in. cal., **$2.00;** 3 in. cal., **$3.00** to **$4.00.**

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. Its compact habit and stout vigorous growth render it one of the most desirable species for the street, park or lawn. 10 to 12 ft., 2 in. cal., **$2.50;** 10 to 12 ft., 2½ in. cal., **$3.00** to **$4.00;** 8 to 10 ft., 2½ to 3 in. cal., **$4.00** to **$6.00.**

Schwedleri (Purple-Leaved Maple.) A handsome tree with beautiful foliage in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same form and other characteristics of the **Norway Maple.** 10 ft., **$2.00** to **$3.00;** 10 to 12 ft., selected, **$3.00** to **$4.00;** 7 to 8 ft., specimens, 3 to 4 in. cal., **$6.00** to **$15.00.**

JAPANESE MAPLE (Acer)

The Japanese Maples are becoming more and more popular each year as their many ornamental characteristics become better known.

Atropurpureum. (Blood-leaved.) A most attractive, beautiful and ornamental dwarf tree, with deeply cut small thin leaves. Brilliantly colored throughout the season. 2 ft., **$1.25;** 4 to 5 ft., **$2.50.**

MOUNTAIN ASH (Sorbus)

Hardy ornamental trees, with handsome foliage and showy red fruits. They thrive in most any soil and are particularly valuable as specimen trees for the lawn. The fruits are eagerly sought by the birds and a few trees near the house will give bird lovers much pleasure in early autumn.

European Mountain Ash. A small tree with a symmetrical round topped crown. Native of Europe and Asia. Leaves are compound with 9-15 leaflets, of dark green turning a golden yellow in autumn. The white flowers borne in broad flat corymbs are followed in fall by large clusters of bright red berries.

	Each	Three	Doz.	100
5 to 6 feet	$0 40	$1 10	$4 25	$25 00
7 to 8 feet	60	1 70	6 50	40 00
8 to 10 feet	1 00	2 75	10 00	40 00
8 to 10 feet, 2-in. caliper	2 50			
10 to 12 feet	1 25			

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective. 8 to 10 ft., **$1.00;** 10 to 12 ft., **$2.00.**

Silver-Leaved White Beam Tree. A small tree with a compact oval head. Native of Europe and Asia. The leaves are a deep green on the upper surface while underneath they are of a white woolly texture. When the foliage is ruffled by the winds the contrasting colors of the leaf surfaces are very effective. 6 to 7 ft., **$1.25.**

Weeping European Mountain Ash. A beautiful variety of rapid growth and decidedly pendulous and trailing habit. 6 ft., **$1.25.**

MULBERRY (Morus)

Russian Mulberry. (Tartarica.) A very hardy and vigorous grower, producing sweet fleshy fruits in abundance which is a great attraction for the birds. Equally fine for hedge, border or specimen. 8 to 10 ft., 1½ in. cal., **$1.25;** 10 to 12 ft., 2 to 2½ in. cal., **$2.00;** (For smaller sizes see page 129.)

MULBERRY (Morus)—Continued

Weeping Mulberry. The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 6 ft., 2 year heads, **$2.00;** 6 ft., 3-year heads, selected, **$2.50** to **$3.00** each.

PLANE (Platanus)

Plane Tree or Sycamore. (Occidentalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers and fruit pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 8 ft., **75c;** 8 to 9 ft., **$1.00;** 8 to 9 ft., 1½-in. caliper, **$1.50.**

POPLAR

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

Asiatic Poplar. (P. Certinensis.) A rapid-growing tree of pyramidal habit leaves medium to large, cordate, light green, changing to dark green. 8 to 9 ft. **$1.00;** 10 to 12 ft., **$1.25.**

Bolleana. A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 6 to 8 ft., **$1.00;** 8 to 10 ft., **$2.00;** 10 to 12 ft., **$2.50** to **$3.00.**

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., **25c;** per 100, **$12.00;** 8 to 10 ft., **65c;** 10 to 12 ft., 2 in. cal., **$1.00;** 12 to 14 ft., 2½ in. cal., **$2.00;** 12 to 14 ft., 3 in. cal., **$3.00** to **$4.00.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind.

	Each	Three	Doz.	100
6 to 8 ft.	$0 25	$0 65	$2 40	$12 00
8 to 10 ft.	60	1 70	6 50	35 00
10 to 12 ft.	1 00	2 75	10 00	40 00

Norway. Very similar to Carolina Poplar. 6 to 8 ft., **25c;** per 100, **$12.00;** 10 ft., each, **$1.00.**

TREE OF HEAVEN (Ailanthus)

Tree of Heaven. (Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 10 to 12 ft., **$2.00** to **$3.00.**

WALNUT (Juglans)

Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

Nigra. (Black Walnut.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 ft., **$1.00.**

HARDY CONIFEROUS EVERGREENS

Partial view of a block of Blue Spruce in Vaughan's Nursery at Western Springs, Ill.

As individual specimens for lawn planting it is difficult to imagine anything more stately and beautiful than hardy evergreens. As screens against objectionable objects and for windbreaks and hedges nothing is to be had which will give as thick and dense a foliage during the entire season. They are especially beautiful while all other ornamentals are bare during our desolate winters. A remarkable contrast may be had by planting in informal masses to form a background for the showy flowers of spring blooming shrubs. Even the beauty of the twigs and branches of small trees and bushes is enhanced by such a planting.

All of our Evergreens are transplanted every two years, and to insure against loss in handling each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during September or in the early Spring, April or May.

ABIES—Firs

Balsamea. (Balsam Fir.) A very erect, pyramidal tree, with dark green foliage; very hardy. 4 ft. **$3.00 each.**

Concolor. (Silver Fir of Colorado.) A Rocky Mountain variety of evergreen without a peer in its native haunts. Its graceful arrangement of branches, covered with a richly colored foliage of bluish tint above, and silvery gray below, makes it a beautiful specimen for lawn planting. 3½ ft., **$4.00 each,** 4 ft., **$5.00 each.**

BIOTA

Orientalis. (Oriental Arborvitae.) A low growing bushy tree of conical form. Foliage is bright green, turning in fall to a tinge of bronze. Is an excellent tub or vase plant for porch and is quite hardy. 2½ to 3 ft., **$1.25**

JUNIPERUS—Junipers and Cedars

Canadensis (Canadian Juniper). Of low spreading irregular form with foliage of light green. Valuable for rockeries and slopes. 2½ ft., **$2.50.**

Communis Suecica (Swedish Juniper). More hardy than the Irish Juniper although not so rapid in growth. A beautiful pyramidal form with foliage of a yellowish green. 15 in., **$1.00 each.**

Japonica Arg. Variegata (Silver Variegated Juniper.) Foliage beautiful glaucous green, regularly interspersed with branchlets of a pure white. A distinct, rare and beautiful variety. 2½ ft., **$2.50;** 3 ft., **$3.50.**

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens where perpetual green is desired. It attains a height of about 12 ft. 2 to 2½ ft., **$2.50 each;** 3 ft., **$3.00 each;** 3 ft., specimens, **$5.00 each;** 4 ft., specimens, **$10.00 each;** 6 ft., specimens, **$18.00 each.**

Sabina (Cedar or Savin). A dwarf spreading evergreen with trailing branches suitable for rock work. 1½ ft., **$1.25;** 3½ ft. specimens, **$4.00 to $6.00 each.**

Sabina Tamariscifolia Gracilis. A good hardy variety of a trailing and spreading nature, with rich, thick green foliage, growing to the height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 15 in. by 15 in., **$1.50 to $2.50 each.**

Var. Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage, particularly attractive in winter when the golden bronze of the young growth is contrasted with the dark green of the older. 3 ft. **$3.00 each.**

Virginiana Counarti. A beautiful variety, very compact and conical in shape, with foliage of rich dark green. Perfectly hardy. 3 ft., **$3.00 each.**

Virginiana Glauca (Blue Virginia Cedar). A vigorous growing variety with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 2½ to 3 ft., **$1.50 to $2.50 each;** 3 ft. specimens, **$3.00 to $4.00 each;** 3½ to 4 ft. specimens, **$5.00.**

Virginiana Schottii. Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 3 ft., **$3.00 each.**

PICEA—Spruce

Evergreen trees of pyramidal growth, very hardy and especially suited to Middle, Western and Northern States.

Excelsa Alba (White Spruce). This fine compact spruce resembles the Norway Spruce, excepting that it is much more compact and a slower grower. It is also very much hardier. 4 ft., **$2.50 each.**

Excelsa (Norway Spruce). A tall and beautiful tree, most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 3 ft., **75c to $1.00 each;** 4 ft., **$1.50 each.**

Excelsa Nigra (Black American Spruce). A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 18 to 24 in., **60c to $1.00 each.**

Omorika (Servian Spruce). A distinct and remarkably ornamental species of dense growth with narrow outline, having shiny leaves of dark green with white lines above. A very hardy tree with conspicuous purple flowers followed by bluish black cones about 2 inches long, which become a rich dark brown at maturity. 2½ to 3 ft., **$2.50 each.**

PICEA—Continued

Pungens Glauca Kosteriana (Koster's Blue Spruce). Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

	Each		Each
18 in.	$2.50 to $3.00	4 ft.	$ 8.00 to $10.00
2 ft.	4.00 to 5.00	5 ft.	10.00 to 15.00
2½ ft.	5.00 to 6.00	5 to 6 ft.	15.00 to 20.00
3 ft.	6.00 to 7.00	6 to 7 ft.	20.00 to 35.00

Pungens Pendula (Weeping Blue Spruce). A rare and charming form of this popular hardy evergreen. 4½ to 5 ft., **$12.00 each.**

PINUS—Pines

Austriaca (Austrian Pine). A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 2 to 2½ ft., **$1.00 to $1.50 each.**

Montana (Swiss Mountain Pine). An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. 12 in. high by 18 in. in diameter, **$1.50 to $2.00 each;** 2 ft. high by 1½ ft. in diameter, **$3.00 each.**

Mughus (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown grayish tinge. Makes a choice shrub for covering rocky parts in gardens. 12 in. high by 18 in. in diameter, **$1.25 to $1.50 each;** 2 ft. high by 2 ft. in diameter, **$2.00 to $3.00**

TAXUS—Yew

Cuspidata (Japanese Yew). One of the hardiest, of spreading habit, foliage light green. 1½ ft., **$1.00 each.**

Cuspidata Brevifolia. A form of the above with short dark green leaves. A very handsome hardy variety; rare, 2 to 2½ ft., **$2.50 each.**

THUYA—Arborvitae

Occidentalis. (American Arborvitae.) A very pretty shapely tree of pyramidal form. Is a native of America and grows easily, attaining a height of some 20 ft. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. It makes a valuable plant for winter decorations to be kept in vases or tubs. 1½ to 2 ft., **60c each;** 2 to 3 ft., **$1.00 each;** 3 ft. specimens, **$1.50.**

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 1 to 1½ ft., **75c each;** 3 ft., **$1.60 each.**

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and symmetrical form with a rich dark green foliage. 1½ to 2 ft., **$1.00 each.**

Thuyopsis Standishi. (Japanese Arborvitae.) A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations. 2 to 2½ ft. **$1.25 each.**

TSUGA—Hemlock

Canadensis. (Canadian Hemlock.) A tall and graceful tree with drooping spreading branches of dark glossy green foliage. Indispensable for parks or landscapes. 2 to 2½ ft., **$1.25 each;** 3 ft., **$3.00 to $4.00 each.**

Canadensis Macrophylla. A sport from our common hemlock. Very dwarf and compact and of dark green color. A very choice and rare evergreen. 1½ ft., **$1.50 each.**

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

VAUGHAN'S FRUIT TREES

CHOICE APPLES

Autumn Strawberry. Medium size, roundish; whitish, striped with red and covered with a thin bloom; flesh yellowish, juicy, tender, with a pleasant sub-acid flavor. Sept. and Oct. 3 to 4 ft., **50c.**

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 4 to 5 ft., **50c.**

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., **40c;** 6 to 7 ft., **60c;** 7 to 8 ft., **75c;** 8 ft. specimens, **$1.00.**

Bismarck. Tree short, stocky grower, with thick, healthy foliage, hardy and productive; fruit large, handsome yellow, shaded and covered with red; tender, sub-acid, quality the best, good for both dessert and cooking. Its most remarkable characteristic is its early fruiting habit. Claimed to be a winter fruit, keeping into March. 7 to 8 ft., **75c;** 8 to 10 ft. specimens, **$1.25;** 3 to 4 ft. bush form (grafted on Paradise), **40c.**

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank both for commercial and home orchards. No new variety has ever so quickly gained popularity in so many different apple sections. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy with a delightful aroma; of very highest quality. A splendid keeper and shipper. Tree one of the hardiest, a vigorous grower, with good foliage. A regular annual bearer. 4 to 5 ft., **40c.**

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Sept. 4 to 5 ft., **40c;** 6 to 7 ft., **60c to 75c;** 7 to 9 ft., **$1.00 to $1.50;** 10 to 12 ft., **$2.00 to $2.50.**

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August. 4 to 5 ft., **40c.**

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild sub-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resembles. Feb. and March. 4 to 5 ft., **40c.**

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb 4 to 5 ft., **40c;** 6 to 7 ft., **60c to 75c;** 7 to 8 ft., **$1.00**

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit and favorite market variety. Nov. to April. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 6 to 7 ft., **75c to $1.00.**

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 4 to 5 ft., **40c;** 7 to 9 ft., **$1.00.**

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. Tree very hardy. Nov. to Feb. 4 to 5 ft., **40c.**

Newtown Pippin. Green Newtown Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., **40c.**

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air and light freely. Jan. to June. 4 to 5 ft., **40c;** 6 to 7 ft., **75c;** 7 to 8 ft., **$1.00.**

Northwestern Greening. Yellow, smooth, rich, of good size, resembling. Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity Jan. to June. 4 to 5 ft., **40c;** 6 to 7 ft., **75c.**

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. Aug. 4 to 5 ft., **40c;** 6 to 7 ft., **75c to $1.00;** 7 to 8 ft., **$1.50.**

Rome Beauty. Large; yellow and bright red; handsome; medium quality; good bearer. Dec. to March. 4 to 5 ft., **40c.**

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., **40c;** 6 to 7 ft., **60c to 75c;** 7 to 8 ft., **$1.00;** 10 ft. specimens, **$2.00 to $2.50.**

Snow (Fameuse). Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., **45c.**

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A moderate bearer. Dec. to Feb. 4 to 5 ft., **40c.**

Tolman's Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April. 4 to 5 ft., **40c;** 6 to 7 ft., **60c;** 7 to 8 ft., **75c;** 8 to 9 ft., **$1.50.**

Wagener. Medium to large, roundish oblate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb. 4 to 5 ft., **40c.**

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardiness and productiveness. March to June. 4 to 5 ft., **40c;** 7 to 8 ft., **60c;** 8 to 9 ft., **75c;** 10 ft., **$1.00** to **$1.50.**

APPLES—Continued

Wealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable late fall and early winter varieties. Oct. to Jan. 4 to 5 ft., **40c;** 7 to 8 ft., **75c.**

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 4 to 5 ft., **40c;** 6 to 7 ft., **60c;** 7 to 8 ft., **75c** to **$1.00.**

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiarly spicy flavor. Jan. and Feb. 4 to 5 ft., **40c;** 7 to 8 ft., **75c** to **$1.00;** 8 to 9 ft. specimens, **$1.25** to **$1.50.**

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured. Ripens before Early Harvest. July and Aug. 4 to 5 ft., **40c;** 8 to 9 ft., **$1.25;** 10 ft., **$1.50** to **$2.00;** 10 to 12 ft. specimens, **$2.25** to **$3.00.**

CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. The fruit is unequalled for jelly and for vinegar, and is useful when dried, canned or preserved.

Florence. Pinkish red, faintly striped with a darker red; wherever shaded is shows a deep yellow. The flesh is yellow, crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 4 to 5 ft., **40c.**

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Flesh yellow, very firm, juicy, sub-acid. Fruit is borne in clusters. Very good for jellies and other cooking purposes. 4 to 5 ft., **40c;** 6 to 7 ft., **60c;** 7 to 9 ft., **$1.25;** 10 ft. specimens, **$1.50** to **$2.00.**

Siberian. Large, golden yellow; very popular. September. 4 to 5 ft., **40c;** 6 to 7 ft., **60c;** 7 to 8 ft., **$1.00;** 8 to 10 ft., **$1.50.**

Sweet Orange. A seedling of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. 3 to 4 ft., **50c.**

Transcendent. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 4 to 5 ft., **40c;** 6 to 7 ft., **60c;** 7 to 8 ft., **75c;** 8 to 9 ft., **$1.00.**

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 4 to 5 ft., **40c.**

CHERRIES

Dyehouse. Largely planted for early market, ripening a week before Early Richmond Early, annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., **50c;** 5 to 6 ft., **60c;** 6 to 7 ft., **75c** to **$1.00;** 7 ft. specimens, **$1.25.**

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June. 4 to 5 ft., **50c;** 5 to 6 ft., **60c;** 6 to 7 ft., **75c;** 7 to 8 ft., specimens, **$1.00** to **$1.25;** bush form, 5 to 6 ft., **75c.**

EARLY RICHMOND (Grafted on Morello.) This is the best type of Early Richmond for the vicinity of Chicago, producing much more fruits than trees grafted on Mahaleb, etc .7 ft., **$1.75;** 7 ft., selected, **$2.25.**

English Morello. Medium to large; blackish red, rich, acid, juicy and good; very productive. Tree a moderate grower. One of the leading market sorts. July. 4 to 5 ft., **50c;** 5 to 6 ft., **75c;** 6 to 7 ft. specimens, **$1.00.**

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., **50c;** 5 to 6 ft., **75c;** 6 to 7 ft. specimens, **$1.00.**

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., **50c.**

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., **50c;** 6 to 7 ft. specimens, **$1.00.**

PEACHES

Champion. Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet.

Crawford's Early. Large yellow; of excellent quality. Very vigorous and prolific.

Crawford's Late. Very large and productive, yellow; ripens about the close of the peach season.

Crosby. One of the hardiest; abundant bearer, bright yellow. September

Elberta. Large, yellow; one of the leading market varieties. September.

Wonderful. Freestone peach; rich golden yellow, overspread with rich carmine.

Any of above, nice trees, 4 to 6 ft., **each 35c; 3 for $1.00; per 100, $25.00.**

Of Champion, Early Crawford and Crosby, we have heavier stock of the same height, at **50c** each.

ABOUT PRUNING

It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 to 4 bnds of their base. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue sizes are for trees unpruned

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

See page 132 for prices of 3 and 12 of a kind

PEARS

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated only by cutting away the diseased limbs entirely. Thinning increases size and quality of the remaining crop.

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. Aug. and Sept. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Clapp's Favorite. Resembles the Bartlett, ripening a few days earlier; hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before it would ripen on the tree. 5 to 6 ft., **60c.**

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., **60c.**

Flemish Beauty. Large, juicy, rich, one of the hardiest. Sept. and Oct. 4 to 5 ft., **60c;** 6 to 7 ft., **75c;** 7 to 8 ft., **$1.00.**

Kieffer. Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., **60c;** 7 to 8 ft., **75c;** 10 to 12 ft., specimens, **$1.50.**

Koonce. Thoroughly tested for several years. Has produeed good crop when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July-Aug., 4 to 5 ft., **60c;** 6 to 7 ft., **75c;** 7 to 8 ft., **$1.00;** 8 to 9 ft., specimens, **$1.50.**

Seckel. Small, yellowish brown, red cheek; best to eat out of hand or pickle. Sept. and Oct. 4 to 5 ft., **60c.**

PLUMS

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. Aug. 4 to 5 ft. **60c.**

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in produetiveness; bears young; fruit large, excellent quality, cherry red with lilac bloom. Aug. 4 to 5 ft., **60c.**

De Soto. Very hardy, bright red. Sept. 5 ft., **55c;** 6 to 7 ft., selected, **75c.**

Shropshire Damson. A medium sized, dark purple variety; esteemed for preserving. Very productive. October. 5 to 6 ft., **60c.**

QUINCE

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

ENGLISH POT GROWN FIGS, GRAPE-VINES, NECTARINES, PEACHES AND OTHER FRUIT TREES

We import these on advance orders only from one of the best and most reliable growers in England. Prices on applieation.

BOOKS ON FRUIT GROWING

Berry Book, The Biggle. Cloth, 126 pages..... **$0.50**
Fruit Growing, Principles of. L. H. Bailey. Cloth, 514 pages..... **1.50**
Grape Culturist. Fuller's. Cloth, 150 Illustrations..... **1.50**

CHOICE SELECTION OF SMALL FRUITS

DELAWARE

CONCORD

NIAGARA

CAMPBELL'S EARLY

BLACKBERRIES

Each, 10c; per doz., 75c; per 100, $3.00.
If to go by mail, add 5c per dozen for postage.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour eore; sweet and juicy; ripens early.

STONE'S HARDY. Best variety for the north; fruit rich and melting. Fine flavor; very productive.

Special Offer No. 136.—12 each of the above varieties for $1.25, (exp).

CURRANTS

Plant in rich ground about 4 ft. apart, cultivate well, prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears dust with Hellebore.

(Except where noted) 2-year, **each 15c, 3 for 40c, doz. $1.50;** 3-year, **each 25c, 3 for 65c, doz. $2.50.**

If to go by mail, add 3c each for 2-year, and 5c each for 3-year plants. The larger plants **should be expressed.**

BOSKOOP GIANT. (Black.) This famous currant, of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year, **each 30c, 3 for 80c, doz. $3.00.**

FAY'S PROLIFIC. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive. Perhaps no other currant has received so much praise, the demand most seasons being in excess of the supply.

LEE'S PROLIFIC. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. One of the best for general use.

NORTH STAR. (Red.) It is bright in color and is the **sweetest and best flavored currant known.** It is an early and prolific bearer.

PERFECTION, New. (Red.) Very large. A cross of the famous Fay's Prolific and the White Grape; originated by Mr. Chas. C. Hooker. A very productive variety with berries about as large as grapes, making it a valuable market sort. It is mild in flavor and free from sharpness. 2-year, **each 35c, 3 for 90c, doz. $3.50.**

RED DUTCH. The old well known red currant. A strong tall upright grower. Berries medium size, dark red.

WHITE DUTCH. The well known white currant; medium size berries. Early

WHITE GRAPE. Very large; yellowish white and most productive of the white varieties; mild sweet flavor. A good table variety.

Special Offer 136A. One each of the 8 currants, 2 yr. plants for $1.25, (exp).

SELECT GRAPES

(Exeept where noted) 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year, extra heavy, **each 30c, 3 for 80c, doz. $3.00.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year vines for postage.

There is scarcely a yard so small either in country or city that room for a few grapevines cannot be made. They do well trained to the side of any building or along the garden fences, occupying but little room and furnishing an abundanee of the healthiest of fruit. Make the soil mellow and plant the vines from 6 to 8 ft. apart.

CAMPBELL'S EARLY, King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. Price, 2-year-old vines, **each 30c, 3 for 80c, doz. $3.00 (exp.);** 3-year-old, **each 40c, 3 for $1.10, doz. $4.00. (exp).**

BRIGHTON. (Dark Red.) Bunches large; berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenize itself. One of the best early red grapes.

CATAWBA. (Red.) Bunches large and loose; berries large, of eoppery red color, becoming purplish when well ripened.

CONCORD. One of the most popular and reliable varieties grown; bunches large and compact, berries large round, almost black. Juicy and very sweet.

DELAWARE. (Red.) Buneh small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. An early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juiey, almost free from pulp. A fine variety for both market and home garden.

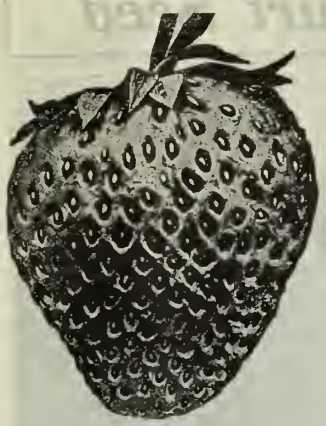
NIAGARA. (White.) Vine hardy; unusually strong grower; bunches large and compact, mostly round; fruit semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

MOORE'S EARLY. (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

WORDEN. (Black) Handsome, large, compact buneh; berries very large, skin thin; ripens five to ten days earlier than Concord.

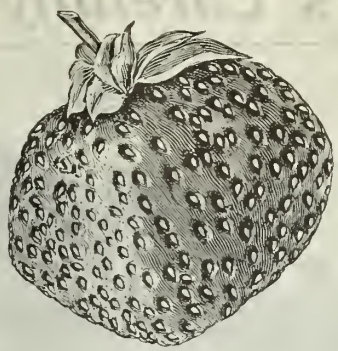
SPECIAL OFFER No. 136 B The set of 9 grapes, 2 years, for **$1.50, (exp.)**

SPECIAL OFFER No. 136C The set of 9 grapes, 3-year, **$2,00, (exp,)** includes the excellent Campbell grape.

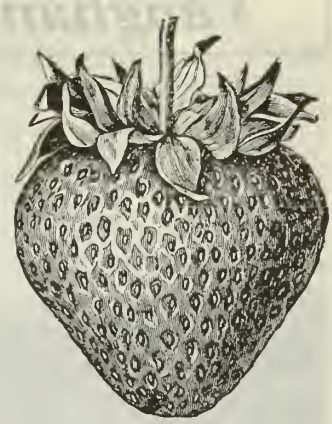


AUGUST LUTHER

GANDY



MARSHALL



SENATOR DUNLAP

SMALL FRUITS—Continued

GOOSEBERRIES

Good soil, thorough pruning, top dressing with manure are the essentials for a crop of gooseberries. They do best in a partly shaded place. For worms and mildew use Pyrox (Arsenate of Lead and Hellebore). Mixes easily in cold water.

2-year, **each 25c, 3 for 65c, doz. $2.50;** 3-year, **each 35c, 3 for 85c, doz. $3.50.**

If to go by mail, add 4c each for 2-year and 6c each for 3-year plants for postage. The larger plants **should be expressed.**

DOWNING. Large handsome pale green and of splendid quality for both cooking and table use. Is called "The Great American Gooseberry."

HOUGHTON. Color pale red; tender and good. Medium sized berries under ordinary care, but if thinned thoroughly in fall or spring, fruit will be greatly improved. A heavy yielder.

INDUSTRY. Dark red color when fully ripe; berries of largest size; excellent flavor. It is one of the heaviest croppers. Strong upright grower, less subject to mildew than most of the foreign varieties.

RED JACKET. It is one of the best red gooseberries in existence. The berries are large, smooth bright red and of excellent quality. Has good foliage; mildew proof. A good yielder.

RASPBERRIES

(Except where noted) **each 10c, 3 for 25c, doz. 75c, per 100 $3.00.**

If to go by mail, add 10c per doz. for postage.

"THE HERBERT RASPBERRY." **(New.)** Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. **Per doz. $1.25, 25 for $2.00.**

COLOSSAL. (Red.) Truly colossal, plant and fruit, and iron-clad in hardiness; a sprightly, sub-acid flavor.

COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG. (Black.) Large, heavy bearer.

LOUDON. (Red.) The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

KANSAS. (Black.) The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

OLDER. (Black.) Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

FALL-BEARING STRAWBERRIES

Fall-bearing Strawberries seem to be no longer an experiment, as they are becoming essential all over the country, and are making good every place they have been tested. If these varieties are dishudded, until say August 15th to September 1st, and allowed to fruit, they will give large quantities of ripe berries until checked by hard freezing. The two varieties we offer we consider the best.

Each 15c, doz. $1.00, 25 for $1.75, 50 for $3.25, 100 for $6.00, postpaid.

AMERICUS. This is the most wonderful everbearing Strawberry ever produced. It outrivals its parents both in large size and wonderful productiveness. Plants are strong, healthy and deep rooters. The fruit is medium to large in size, very firm, uniform shape, bright red, and has the native strawberry flavor.

PROGRESSIVE. This is the strongest growing plant of all the fall-bearing varieties we have seen. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits, of a dark red color both inside and out. The young plants are produced in good quantities. The leaves are

SPECIAL OFFER 137 A. One dozen each of the two Fall-bearing Strawberries for **$1.75, postpaid.**

SPECIAL OFFER 137 B. 25 each of the two Fall-hearing Strawberries for **$3.25, postpaid.**

STRAWBERRIES

Varieties marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

AUGUST LUTHER. **(Early.)** This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use, and it is a good shipper.

BRANDYWINE. **(Late.)** A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers. Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

CLYDE. **(Early.)** The most productive variety yet introduced. Immense size. The berries are large bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

GANDY. **(Late.)** This is one of the most reliable large late berries grown. It is one of the old standard varieties that you can depend upon. The fruit ripens very late, is large, dark red in color and produced in moderate amount.

MARSHALL. A well known variety of excellent quality. One of the richest flavored strawberries on the market. It is a strictly fancy berry, but not quite so productive as some other varieties.

PRIDE OF MICHIGAN. **(Mid-season.)** Fruit medium to large, of a dark glossy red color, firm and of good quality; a good producer. Good plant maker and stands drouth better than most kinds.

SENATOR DUNLAP. **(Mid-season.)** One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need not hesitate to plant.

SAMPLE. (*) **(Late.)** Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

UNCLE JIM. **(Mid-season.)** There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season. Produces large, heavy, light colored plants which are models of growth.

WALDORF. **(New.)** Early vigorous foliage, strong grower and very prolific, exceeding in productiveness any variety in cultivation. The fruit is smooth, medium to large; color a bright scarlet; keeping qualities excellent and a splendid shipper. An ideal strawberry either for home use or for the market gardeners **Doz. 35c., per 100 $1.50.**

WARFIELD. **(Mid-season.)** It has a large, beautiful, cone-shaped berry, with a fadeless dark red exterior, and the dark red color is retained to the center of this exceptionally juicy fruit, which is just tart enough to be deliciously palatable. It is a popular berry for canning.

WM. BELT. **(Mid-season.)** A most luxuriant grower and remarkably productive. Very large conical shaped brilliant glossy red berries of the very best flavor.

Except where noted, **per doz. 35c. 100 $1.25, postpaid; per 1,000 $8.00 by express. For Spring delivery only.**

STRAWBERRIES FOR SEPTEMBER AND OCTOBER DELIVERY

Strawberry Runners, as per above list, $2.00 per 100.

Strawberry Pot Plants, as per above list, $3.50 per 100.

SPECIAL OFFER No. 137 A Strawberry collection, 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, **prepaid, $1.25.**

PLANTS BY MAIL

When ordering plants to be sent by mail, please refer to revised list of rates on page 58, which came into effect January 1st, 1914.

Vaughan's Carefully Blended Turf Seed

THE PUTTING GREEN

PUTTING GREEN MIXTURE

Skilful playing is sometimes defeated on an inaccurate "Putting green." Golf players only may appreciate to the full extent the high importance of a uniform turf, particularly at the "putting stages" of the game.

As a pool player requires that the table he plays on be accurately adjusted, the Golf player, with equal need for accuracy, should have a turf free from knots and bunches, especially on the "Putting Green."

Vaughan's Putting Green Mixture is a combination of seed of low growing, fine bladed grasses which produce a close, firm, velvety turf under generai conditions.

Many golf courses have particular conditions to meet and from such partics we solicit correspondence as to their soil, drainage and watering facilities, for we b lieve we can afford them considerable assistance on account of our experience.

There are no mysterious secret grasses or grass mixtures, as many seed salesmen would have you believe, commercial grasses are well known, quality, cleanliness and purity arc easily determined. We know where to get the best samples and we buy them. We invite anaiysis and comparison. Vaughan's Putting Green Mixture, 1 lb. sows 350 to 400 sq. ft.

Lb., 35c; 5 lbs., $1.50; 50 lbs., $13.00; 100 lbs., $25.00.

VAUGHAN'S "QUICK SHOW" LAWN MIXTURE

Many people desire a lawn that will make a showing immediately after planting. This mixture contains the quickest growing grasses, it has not the permanency or color of our "Chicago Parks," but will make a respectable showing after the first season. Sow 50 lbs. to the acre.

Price—Per lb., 25c; 5 lbs., $1.00; 25 lbs., $4.75; 100 lbs., $18.00.

VAUGHAN'S SPECIAL GRASS MIXTURE

Extra choice mixture, contains large proportion of finer and more expensive species, such as Rhode Island Bent, Crested Dog's Tail, Creeping Bent, in extra heavy samples, bringing the weight up to 20 lbs. per bushel, produces turf of the closest and finest texture possible. Sow 50 lbs. to acre.

Price per bu. of 20 lbs., $6.50.

VAUGHAN'S DEEP SHADE MIXTURE

For use under large trees where the shade is dense. Made up of the most expensive fancy grasses only, such as Wood, Meadow, Rough Stalked Meadow, Slender Fescue, etc.

Per bu. of 20 lbs., $7.00.

VAUGHAN'S "GOLF LINK" (FAIR GREEN) GRASS SEED

The older Golf Links usually have mixtures they have found to be best suited to the need of their links. This mixture will give general satisfaction in the majority of soils, we recommend it.

The grasses in this mixture endure wear and tear, and retain their good appearance. Sow 75 to 100 lbs. per acre.

Per lb., 30c; 5 lbs., $1.25; 50 lbs., $12.00; 100 lbs., $22.50; special prices on larger quantities.

VAUGHAN'S MIXTURE FOR TENNIS LAWNS

For Cricket, Croquet, Bowling Green, etc.

Sow 50 to 60 lbs. per acre for new lawn or Bowling Green; 15 to 20 lbs. per acre to improve existing turf.

Per lb., 30c; 5 lbs., $1.35; 15 lbs., $3.95; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.

VAUGHAN'S LAWN RESTORING GRASS MIXTURE

A mixture of grasses which take firm hold and grow quickly on hard, wornout or burned spots, best time to re-sow them is very early in the spring, and may also be sown in fall, first of September to first of October. Some lawn-restoring grass seed should also be sown before every summer rain on thin places.

Price—Per qt., 30c; per bu. of 24 lbs., $6.50.

KENTUCKY BLUE GRASS we offer in two grades. Extra Fancy Seed, Sun Dried, twice recleaned. Very high germination. **1 lb., 25c; 5 lbs., $1.00; 10 lbs., $1.85; 100 lbs., $16.50.** Fancy Seed. Actual weight 21 lbs. per bu. **1 lb., 20c; 5 lbs., 90c; 10 lbs., $1.75; 100 lbs., $15.50.**

RED TOP GRASS Fancy Crop very short. Solid seed, bushel 32 lbs. **1 lb., 35c; 10 lbs., $3.00; 100 lbs., $28.00.** Common. Unhulled. Bushel 14 lbs. **1 lb., 16c; 10 lbs., $1.50; 100 lbs., $14.00.**

WHITE CLOVER Extra fancy seed. **1 lb., 50c; 3 lbs., $1.45; 10 lbs., $4.75.** Add 8 cents per pound to above prices if wanted by mail.

KALAKA Combination of superior grass seed with concentrated dry manure. Quick germination. **2 lb. box, 50c; 5 lbs., $1.00. Send by express only.**

VAUGHAN'S FAMOUS LAWN MIXTURES—See Page 7

Accurately compounded from formulae, the result of 37 years experience in furnishing grass seed for the finest grounds in America.

CHICAGO PARKS, CENTRAL PARKS AND COLUMBIAN MIXTURES } ½ lb., 20c; 1 lb., 30c; 3 lbs., 80c; 5 lbs., $1.35; 10 lbs., $2.65; 15 lbs., $3.95; 20 lbs., $5.25; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00. Postage 8c per pound extra.

For Fertilizers, see page 149.

Vaughan's High Grade Recleaned Grass and Clover Seeds.

Our endeavor is to handle only the very best and purest grass seeds. Our fancy grasses for lawns and golf courses, as well as our standard farm species, are direct from the producers and are the very best samples the market and season afford. We supply only the best and highest germinating seed and our prices are based on supplying this quality. We cannot, therefore, nor do we wish, to compete with half-cleaned, mixed and graded seed offered at cheaper prices. We invite analysis and mircoscopic examination.

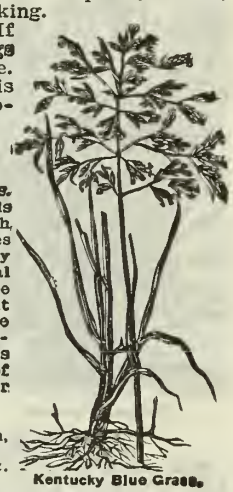
Prices on grass seed fluctuate like those of grain, changing daily, therefore, although we shall do our our best to maintain the prices below; these figures are at all times subject to market changes. Should these seem high, write for the latest quotations. Our locations, Chicago, the grass seed center of the United States, and New York, the largest importing center, put us in a position to quote the very lowest prices on the qualities we supply. Samples for the asking.

Prices below do not include postage. If desired by mail, add 8c per lb. Grain bags 25c each extra for bushel lots or more. Unless otherwise noted, prices on this and the next two pages apply to shipments either from Chicago or New York.

RED TOP GRASS (Agrostis Vulgaris).

KENTUCKY BLUE GRASS (Poa Pratense).

Fancy Seed. Agriculturally this is well called the King of all Pasture Grasses. However, it is not such a general purpose grass as is Red Top. Wherever this grass does well, generally on lime soil, land there at once commands a high price, as it becomes the animal breeder's ideal location. This grass requires some time to establish itself. For a couple of years should only be lightly grazed. Time for sowing depends on the locality. There are three principal times of sowing, in the Fall, in the early Spring and again in June. Sow three bushels (14 lbs. to the bu.) per acre. This seed should never be covered, but only rolled after sowing, as the seed germinates better in the light than in the dark. Our seed this year was specially saved for us by one of the largest Kentucky growers, is almost free from foreign and chaffy matter, and our tests show a very high percentage of germination. Purchasers should beware of cheap Blue Grass, as it is sure to be light seed or else mixed with the cheaper Canadian Blue Grass.



Kentucky Blue Grass.

For The Best of All Grasses for the Lawn.

V Brand

Extra Fancy Seed. Sun dried, twice recleaned. Very high germination, Lb 25c, 5 lbs $1.00, 10 lbs $1.85, 100 lbs $16.50.

Fancy Seed. Actual weight 21 lbs per bu. Sold at legal weight, 14 lbs. Lb. 20c. bu (14 lbs) $2.00. 5 bu $9.50.

RED TOP GRASS (Agrostis Vulgaris).

This is one of the most generally useful agricultural grasses we have. It will grow upon every soil and give entire satisfaction to the farmer. It is not only a good meadow grass, but is one of the best pasture species, grazing being a benefit and almost a necessity for its perpetuation and preservation. In a moist soil it does the best, and in swampy places that would otherwise produce nothing in the grass line, Red Top will thrive with the greatest vigor. Where other grasses demand special soils, Red Top will do well, whatever is the character or location of the soil. Not so good as Timothy for hay, but as a combination for hay and then pasture, it is the best of nearly all the economic grasses. Sow alone or with a nurse crop. One bushel of chaff, or unhulled Red Top, or one-half bushel of Fancy Seed is sufficient to sow an acre.

For lawn purposes it is one of the very best, forming a low growing turf and germinating rapidly. Seed comes in two grades—the chaff or unhulled seed, weighing 14 lbs. to the bushel, and the fancy, re-cleaned from chaff, seed, weighing 32 lbs. to the bushel. Our seed is the cream of this year's crop, has been carefully re-cleaned and is free from noxious weeds and light chaff.

V Brand

Fancy. Solid Seed, bushel 32 lbs. Lb. 35c (by mail 43c), 10 lbs $3.00 100 lbs $28.00.

Common. Bushel 14 lbs. Lb 16c, (by mail 24c), 10 lbs $1.50, 100 lbs $14.00.

AGROSTIS CANINA (Rhode Island Bent Grass).

A valuable lawn grass. Resembles Red Top somewhat, but has shorter and narrower leaves. Much used in the East, especially in the New England States. Makes a very fine colored, close turf and readily adapts itself to almost any soil, wherein again it is similar to Red Top. Of considerable value for permanent meadows and pastures. For lawn sow 3 to 4 bu. This seed is imported, and on account of poor crop conditions in Europe this season, is scarce. 14 lbs. to the bushel. Lb 40c, (by mail 48c), 10 lbs $3.50, 100 lbs $32.00.

AGROSTIS STOLONIFERA (Creeping Bent Grass).

The ideal grass for golf-putting greens. Very distinct, with long prostrate or creeping stems. Its creeping root and spreading habit form a lasting turf that withstands hard usage better than other sorts. The leaves are fine and dense growing, making it valuable for low bottom lands and especially for slightly sandy soil. Good for both hay and pasture. Our sample specially cleaned and heavy. Seed scarce. Sow 50 lbs to the acre, 14 lbs to the bushel. Lb 40c, (by mail 48c), 10 lbs $3.50, 100 lbs $32.00.

ALOPECURUS PRATENSIS (Meadow Fox Tail).

The most valuable grass for moist meadows and pastures, particularly the latter. One of the earliest of all grasses, thus permitting early pasturage. Very hardy, and after the second or third year, when it comes to full yield, produces a large amount of excellent forage. Should enter into all mixtures for permanent pastures. Is never sown alone, as it does not reach maturity for two or three years. Sow with other grasses 3 to 4 lbs to the acre, 7 lbs to the bushel. Lb 35c, (by mail 43c), 10 lbs $3.25, 100 lbs $30.00.

ANTHOXANTHUM ODORATUM PUELLI (Sweet Vernal Grass).

An annual of sweet scent but bitter taste, so that it is of small value for pasturage, but is of some value for lawn purposes. 10 lbs. to the bushel. Lb 20c, (by mail 28c), 10 lbs $1.85, 100 lbs $16.00.

ANTHROXANTHUM ODORATUM (True Sweet Vernal). A perennial. Lb 50c, (by mail 58c), 10 lbs $4.25.

AVENA ELATIOR (Tall Meadow Oat Grass).

An excellent meadow grass both for Winter grazing and for hay for the Southern States and dry climates. Growth is rapid, it blooms early and when cut dries out rapidly. Not suited to heavy, moist soils. Yield very heavy, permits three to four cuttings on good soil. Should not be sown alone, as it does not form a compact turf. Very hardy, withstanding extreme drouth, heat and cold. 13 lbs. to the bushel. Lb., 25c (by mail 33c); 10 lbs., $2.25; 100 lbs., $20.00.

CANADA BLUE GRASS (Poa Compressa).

This is a hardy perennial grass, which forms a strong turf on account of its dense creeping root stalks. It adapts itself to all soils and withstands differences of soils and climate better than most other grasses. Particularly adapted to the Eastern and Middle States for pasture and dairy use. For a lawn grass it is of considerable value where the turf is subjected to hard usage. 14 lbs. to the bushel. Lb 15c (by mail, 23c), 10 lbs $1.40, 100 lbs $10.00.

ENGLISH BLUE GRASS (Festuca Pratense, or Meadow Fescue).

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow 1½ bushels to the acre. 20 lbs. to the bushel. Lb 20c, (by mail 28c), 10 lbs $1.50, 100 lbs $13.50.

BERMUDA GRASS (Cynodon Dactylon).

A very valuable grass in the warmer climates. In the Southern States and warmer regions of the Southwest on the Pacific Coast, it is cultivated extensively and is most highly prized, chiefly for grazing, all kinds of stock being exceedingly fond of it. Resists extreme drouth and high temperature and grows freely on a sandy soil where other grasses will not thrive. Does not do well in the shade. As a lawn grass it is much used in the South with excellent results. Being difficult to eradicate, it should not be placed in a soil except desired permanently. Seed should be sown at the rate of 15 lbs. to the acre Sow in the spring. 36 lbs. to the bushel. Short crop. Write Lb $1.00, 10 lbs $8.00.

BROMUS INERMIS.

(Awnless Brome Grass.)

A most valuable and comparatively new grass for meadow use. In the arid regions of the West and Northwest this grass has a great future. It is very hardy, strongly stoloniferous (creeping roots), and quickly makes a thick, firm turf. Particularly hardy and unusually drought resisting, it is now more highly regarded for its feed value than a few years ago, and does not compare unfavorably with Timothy or similar hay. Somewhat difficult to eradicate, so should be given a permanent place. Cut when first coming into bloom. Our seed is choice and re-cleaned. 14 lbs. to the bushel. Sow two bushels to the acre. Lb 20c (by mail 28c), 10 lbs $1.65, 100 lbs $12.00.

AWNLESS BROME GRASS.

CYNOSURUS CRISTATUS.

(Crested Dog's-tail.)

A valuable lawn grass, as it forms an even and compact sward. Does fairly well in shade and should be a constituent of all good shade lawn mixtures. Good for pasture. For lawn purposes it should be sown with other grasses, about 5 lb. to the acre. 21 lbs. to the bushel. Lb., 30c. (by mail 38c), 10 lbs $2.75, 100 lbs. $25.00.

ORCHARD GRASS.

ORCHARD GRASS (Dactylis Golmerata).

A very hardy popular grass grown successfully almost anywhere in the United States, flourishes in shade or sunshine, therefore excellent for woodland pastures with good soil. Wet soils do not suit it. Good for both hay and pasture. Valuable in pasture because it offers feed a few days after moist weather in Spring, and it may be cut for hay before Timothy. Deep pasturing that would destroy Timothy improves this grass. Has a tendency to grow in stools and leave bare spaces, which may be overcome by rolling and harrowing. Red Clover sown 10 lbs. to the acre is also a good preventive. Not a good lawn grass even in shade; 14 lbs. to the bushel. Lb 25c, (by mail 33c) 10 lbs $2 25, 100 lbs $18.00.

The market price on grass seeds varies like that of grain. Purchasers in quantity should write for the latest prices and samples before ordering.

FESTUCA DURISCULA (Hard Fescue.)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow 30 lbs. to the acre; 12 pounds to the bushel. Lb 25c, (by mail 33c), 10 lbs $2.25, 100 lbs $20.00.

FESTUCA HETEROPHYLLA (Various Leaved Fescue.)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow 40 lbs. to the acre or 15 lbs. to the bushel. Lb., 30c (by mail 38c); 10 lbs $2.50, 100 lbs $22.00.

FESTUCA OVINA (Sheep's Fescue.)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permits its use for lawn purposes. Sow 35 lbs. to the acre; 12 lbs. to the bushel. Lb., 25c (by mail, 33c); 10 lbs $2.25, 100 lbs $20.00.

FESTUCA RUBRA. (Red, or Creeping Fescue.)

This is a creeping rooted species of Fescue. On account of its creeping roots, forms a compact and durable turf, especially valuable for binding loose soils and for gravelly banks and dry slopes. An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn grass, is very good, especially for shaded spots. Sow 30 lbs. to the acre; 14 lbs. to the bushel. Lb., 30c (by mail, 38c); 10 lbs., $2.50; 100 lbs., $22.00.

FESTUCA TENUIFOLIA (Slender Fescue.)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Good for edgings. Sow 30 lbs to the acre; 22 lbs to the bushel. Lb 40c, (by mail 48c), 10 lbs $3.50, 100 lbs $30 00.

JOHNSON GRASS (Andropogon Halepensis.)

A drought resister and much used in the warmer parts of the Southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. It is very difficult to eradicate on account of its powerful and rapidly spreading roots, and should be used only on permanent pastures or meadows, 25 lbs. to the bushel. Lb 20c, (by mail 28c), 10 lbs $1.50, 100 lbs $11.00.

LOLIUM ITALICUM. (Italian Rye Grass.)

Called a perennial but rarely lasts for two years. Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the Winter. Valuable in lawn grass mixtures demanding immediate effect. Eighteen lbs. to the bu. Lb., 20c (by mail, 28c); 10 lbs., $1.00; 100 lbs., $8.00.

TIMOTHY (Phleum Pratense.)

The most popular of all grasses for hay and the standard to which all other hay is compared. It is a perennial, doing best on a moist, tenacious, rich soil. On light soils the yield is generally scant. The best results are had by sowing Timothy with a mixture of Red Top and Clover. Timothy does not make a desirable pasture as there is little growth after being cut and tramping of stock soon destroys it. Hay should be cut just when it has stopped flowering. Quantity of seed per acre varies with the character of the soil. On heavy soils sow one-third to one-half bushel per acre, on light soils less.

Our choice (V) Brand is clean, bright and of high germination. Market varies; 45 lbs. to the bushel. Present price, January, Lb 15c, (by mail 23c), 10 lbs $1.00, 100 lbs $7.50. Grain bags 22c extra.

TIMOTHY (Phleum Pratense.)

LOLIUM PERENNE. (English or Perennial Rye Grass.

The hay grass of England where its position is the same as Timothy in the United States. Also does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow 50 to 60 lbs. to the acre.

Perennial Rye Grass—Extra Heavy Seed (30 lbs. to the bu.) Lb., 20c (by mail, 28c); 10 lbs., $1.50; 100 lbs., $10.00.

Perennial Rye Grass—Standard Weight (24 lbs. to the bu.), Lb., 12c (by mail, 20c); 10 lbs., $1.00; 100 lbs., $8.00.

POA TRIVALIS (Rough Stalked Meadow Grass.)

A perennial species closely related to Kentucky Blue Grass. Does best in moist cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow about 15 to 20 lbs. to the acre. 14 lbs to the bushel. Lb 50c, (by mail 58c), 10 lbs $4.75, 100 lbs $42.50.

POA NEMORALIS (Wood Meadow Grass.)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. 14 lbs. to the bushel. Lb. 40c, (by mail 48c), 10 lbs $3.75, 100 lbs $35.00.

Vaughan's Hay and Pasture Special Grass Mixtures.

OUR customers have been quick to appreciate the value of these special mixtures in producing a heavier, thicker and longer continued growth than when one or two grasses only are used. The use of such mixtures is sure to become universal. For other conditions or soils not stated below, write us.

Every sample of grass in each mixture is of the choicest recleaned quality. The following are the leaders:

THE AMOUNT OF SEED necessary to sow an acre largely depends on the quality of the land; the poorer the soil the larger the quantity required. A fair average is from 35 to 40 pounds to the acre. The thicker seeds are sown, the sooner will a fine close turf be obtained.

VAUGHAN'S MEADOW MIXTURES.

No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture is composed of the following grasses and clovers, blended in the proper proportions:

Fancy Red Top.	Orchard Grass,	Perennial Rye Grass.
Meadow Foxtail.	Hard Fescue.	Timothy.
Tall Meadow Oat Grass.	Sheep's Fescue.	Red Clover.
		Alsike Clover.

Price 10 lbs $1.75, 35 lbs (about enough for one acre) $5.25, 100 lbs $14,00, 1000 lbs $130.00.

No. 2. FOR HIGH AND DRY LAND.

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Hard Fescue.	Rough-Stalk Meadow Grass.
Tall Meadow Oat Grass.	Sheep's Fescue.	Red Clover.
Crested Dog's Tail.	Timothy.	White Clover.
Orchard Grass.		

Price 10 lbs $1.85, 35 lbs (about enough for one acre) $6.00, 100 lbs. $16.50 1000 lbs $155.00.

VAUGHAN'S PASTURE MIXTURE.

No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture contains some of each of the following, properly proportioned.

Tall Meadow Oat Grass.	Sheep's Fescue.	Kentucky Blue Grass.
Red Top.	Hard Fescue.	Timothy.
Orchard Grass.	Perennial Rye Grass.	Red Clover.
	Meadow Foxtail.	White Clover.

Price 10 lbs $1.75, 35 lbs (about enough for one acre), $5.75, 100 lbs $15.50, 1000 lbs $145 00.

No. 4. ON DRY LAND.

This mixture is composed of the following:

Creeping Bent Grass.	Orchard Grass.	Hard Fescue.
Tall Meadow Oat Grass.	Red Clover.	Sheep's Fescue.
Kentucky Blue Grass.	White Clover.	Timothy.
		Perennial Rye Grass.

Price 10 lb $2.00, 35 lbs $6.00, 100 lbs $16.00.

No. 5. ON WET LAND.

This mixture contains:

Orchard Grass.	Kentucky Blue Grass.	Timothy.
Fancy Red Top.	Alsike Clover.	Rough-Stalk Meadow Grass.
Meadow Fescue.	White Clover.	
Perennial Rye Grass.	Meadow Foxtail.	

Price 10 lbs $1.75, 35 lbs $5.50, 100 lbs 15.00.

ALFALFA, CLOVERS, LEGUMINOUS CROPS

PRICES **Clover and Alfalfa prices often vary greatly from week to week according to market. The prices below represent fair market values when this book is printed and are subject to change. Purchasers of large quantities should write for latest prices.**
Grain bags holding 2 bushels, 20c each extra.

ALFALFA OR LUCERNE

Alfalfa, once established is a crop so profitable that every farmer may well take great care to get a stand. Much has been published about its high feeding, fertilizing and wonderful yield possibilities. In Eastern and North Central States there have been failures to make a stand of Alfalfa but as knowledge of its needs increase less trouble will be experienced and a few years will show a marked increase in Alfalfa acreage.

Methods of planting vary—In Eastern States sowing in spring has not generally been successful, as weeds win the race and spoil the stand. The following method has, in most cases been successful. Thoroughly manure the field to be sown in winter or early spring, harrow it with a disc at regular intervals, to keep down weeds, and keep ground in condition. Thoroughly cultivate and harrow about end of July, an application of lime being desirable, then broadcast seed, 20 lbs. to acre, harrow in one inch; do not sow on wet, acid or poor soil.

We offer fancy seed only, but grown in the various sections, producing the best seed. In most sections there was a fine crop of seed this year and prices are lower than for many seasons. Write for latest samples and prices.

WESTERN KANSAS GROWN—Dry Land Lb 20c, (by mail 28c), 10 lbs $1.65, 100 lbs $13.50.

NORTH-WESTERN GROWN—Very hardy Lb 25c, (by mail 33c), 10 lbs $2.25, 100 lbs $20.00.

DAKOTA DRY LAND ALFALFA Grown under a minimum amount of rainfall and with low winter temperatures. **Extra Hardy Lb 25c, (by mail 33c). 10 lbs $2.25, 100 lbs $20.00.**

TURKESTAN ALFALFA—Usually very hardy and recommended by the United States Department of Agriculture. **Fancy Imported Seed Lb 20c, (by mail 28c), 10 lbs $1.75, 100 lbs $14.00.**

FANCY MEDIUM RED CLOVER

Clover seed this year is very high, and good qualities are scarce, due to the long rainy summer. Much seed is colored, weedy and of poor germination. Sow the cleanest, highest germination seed you can find. If unable to determine yourself what is good, send samples of what you are offered to your State Experiment Station, or the United States Department of Agriculture, Seed Laboratory, at Washington for analysis. Our seed is the purest and highest high testing seed we can buy and we are at all times willing to submit samples from identical lots of seed. Sow 8 to 10 pounds to the acre.

Price January 20th, 1 lb 25c (by mail 33c), 10 lbs $2.25, bu $11.00, 100 lbs $18.00. Choice grades for less money. Write for samples.

MAMMOTH RED CLOVER, FANCY SEED

Grows larger than the medium, does well on light thin lands. Price January 20th, always subject to market changes.

1 lb 25c (by mail 33c), 10 lbs $2.25, bu $11.00, 100 lbs $18.00.

ALSIKE OR HYBRID CLOVER

For wet, cold or stiff soils. Seed is small and plants a wider area than Medium or Mammoth. Sow 5 to 6 lbs. to the acre.

Vaughan's (V) Brand, 1 lb 30c (by mail 38c), 10 lbs $2.50, bu $14.00, 100 lbs $23.00.

WHITE CLOVER

Mixed with other grasses is very desirable, on account of its creeping stems, for lawn purposes, a binder; and of considerable value for permanent pastures. Crop short.

Extra fancy seed, 1 lb 50c (by mail 58c), 10 lbs $4.75, bu (60 lbs) $27.50, 100 lbs $45.00.

Choice seed, clean, but not as bright as above, 1 lb 45c (by mail 53c), 10 lbs $4.25, bu (60 lbs) $24.50, 100 lbs $40.00.

CRIMSON CLOVER

Annual crop much used in the East and South for soiling or pasture. It is being tried in the North.

1 lb 20c (by mail 28c), 10 lbs $1.50, bu (60 lbs) $6.50, 100 lbs $10.00.

BOKHARA OR SWEET CLOVER

Used for soiling. Also valuable for planting near bees.

Lb 35c (by mail 43c), 10 lbs $3.00.

WINTER VETCH, Vicia Villosa

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch also furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For the hay use 1 bushel.

Price, 1 lb 15c, (by mail 23c). Bu (60 lbs) $5.75, 100 lbs $9.00. Write for latest prices in fall. We are headquarters on the seed.

SPRING VETCH or TARES (Vicia Sativa—Oregon Vetch) Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. **Per qt 20c, pk 75c, bu $2.75 Bags 20c each extra.**

CANADA FIELD PEAS Very valuable in the Northern States for cattle feeding. Excellent for horses and pigs when sown with oats. With the present Season's high prices for oats, farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of Northern grown fancy seed. Sow broadcast and harrow in at the rate of 2 bushels per acre, if sown with oats use one bushel. **Present price (market fluctuates), bu $2.40, 2 bu $4.60, 10 bu $22.50, includes bags.** Write for prices on larger lots.

COW PEAS—Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. For those in the North who have not had the best success with this plant, a warm sandy soil will give decided advantage. Where never grown before drilling in and cultivating at first, as for field beans, is the best way to start.

NORTHERN GROWN COW PEA Michigan Favorite A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin. **Pk $1.00, bu $3.50.**

SOUTHERN BLACK EYE Pk 80c, bu $3.00.

WHIP-POOR-WILL Pk 90c, bu $3.25.

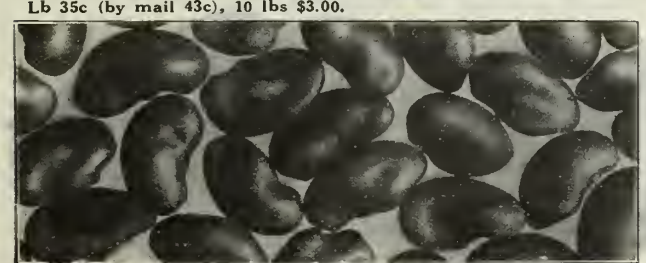
NEW ERA Pk 90c, bu $3.50.
Postpaid price all Cow Peas, **35c per quart.**
Write for latest market price on quantity of any of the above.

SOJA OR SOY BEANS

A valuable legume somewhat on the order of cow peas, is coming more and more into use. We call special attention to our Northern grown seed which we offer this year.

NORTHERN GROWN Ito San. Merko and Black Beauty. Scarce another year. Write for latest prices. **Each variety pk 90c. bu $3.25.**

SOUTHERN GROWN SOY BEANS Mammoth Yellow, ½ pk 50c, pk 80c, bu $3.00.



Alfalfa Seed under the microscope, showing difference between clean American seed and foul imported seed.

ROOT CROPS FOR STOCK

These are an essential crop for all kinds of stock, since they act as a food tonic, improving the condition and health of the animals. They also increase the flow of milk of dairy cows. All animals need some kind of succulent food and even where ensilage is available, roots are being used in addition, such feeding yielding profitable net gains in either weight or milk. The following succession planted in the spring will furnish succulent feed from September to April—Turnips, Rutabagas and Mangels, the last named not being in proper condition to use before January. Roots are usually chopped or sliced for feeding and should not be fed alone but always with some dry forage.

STOCK CARROTS

Carrots are very valuable for all kinds of domestic animals, and are better for horses than any other root crop. When fed alternately with oats to work-teams on the farm, the value of Carrots has been found to equal the oats they displace. Succulent food, in part, will always prove beneficial. Carrots are best.

Mastodon. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c. By express, 5 lbs., $2.75.**

Vaughan's Half Long Danvers. Another broad-shouldered variety. Round stump rooted and a wonderful producer. Fine for stock, a good table sort. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express, 5 lbs., $3.00.**

Long Orange Belgian. Best long variety. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c. By express, 5 lbs., $2.75.**

Long White Belgian. Similar to Long Orange, except in color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c. By express, 5 lbs., $2.75.**

Improved Long Orange. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, also good table variety. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express, 5 lbs., $3.00.**

SUGAR BEETS

Grown for sugar manufacture and valuable for stock feed when used sparingly. Our seed is from strains far superior to any usually offered. With proper culture it will produce roots testing a high per cent of sugar.

Vilmorin's Imperial. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, contains about 16 per cent sugar. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

Klein-Wanzleben. Most popular Sugar Beet. Wedge shape, tapering to long tail. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.50.**

Lane's Improved. Heavy yielder; flesh snow white. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

French Red Top Sugar. Hardy, productive. **Oz., 5c; ¼ lb., 15c; lb., 45c. By express, 5 lbs., $1.50.**

TURNIPS AND RUTABAGAS

Early Purple Top Strap Leaved. Early. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.75.**

Purple Top White Globe. Large, heavy yielder. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, 5 lbs., $2.65.**

Yelow Aberdeen. Best for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

Vaughan's Improved Rutabaga. Good cropper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.60.**

Hurst's Monarch. Large per cent dry matter. **Pkt., 5c.; oz., 10c; ¼ lb., 15c; lb., 50c.**

Bangholm. See novelty page. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

For description of Turnips and Rutabagas see page 56.

BARRES SLUDSTRUP MANGEL

BARRES SLUDSTRUP MANGEL

Holds the world's record for dry matter content. This Mangel has been awarded a first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here.

Sludstrup is a long reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety, in both the weight and feeding value of yield. Our seed is from the best Danish growers. **Oz., 10c; ¼ lb., 20c; lb., 60c.**

FREE BOOKLET ON ROOT CROPS

MANGELS OR STOCK BEETS

ASK WHEN ORDERING

Giant Eckendorf Mangel. Most popular German Mangel, as it contains a large amount of nutritive matter, while it is also a remarkably heavy yielder. The great yellow roots weighing 15 to 20 pounds each, are cylindrical in form, and since the greater portion is above the surface of the ground, they are easily harvested. **Oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $2.50.**

Half Sugar Mangel. A variety combining the best qualities of Sugar Beets and Mangels. They are about the same shape as Long Red, but have white skin and flesh. They are highly nutritious and a big producer. Easier to harvest than Sugar Beets. **Oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $2.25.**

Vaughan's Mammoth Long Red. Largest and heaviest cropper of all the long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, with bright red skin and white flesh veined with pink. Grows well up above the ground, easy to harvest. Splendid dairy feed. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Golden Tankard. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Usually grows over half out of ground. Easily pulled, very hardy, good yielder. A very nutritious stock feed. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Giant Yellow Intermediate. Ovoid, between the long and globe varieties in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Champion Yellow Globe. Skin a rich yellow, flesh white and solid; grows two-thirds above ground, hence the best for shallow soils. Good keeper. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

VAUGHAN'S MAMMOTH LONG RED MANGEL

Vaughan's Farm Seed Department

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of three standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions, our favorable freight rates, less than car, and the best shipping service in the United States, we are in a position to serve our customers as is no other house.

Samples—Most of our seeds are grown especially for us. All of our seeds are excellent samples, carefully recleaned and were grown under our direct supervision from thoroughly reliable sources. Samples on request.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices. Quality considered, we can meet any competition.

SEED BARLEY

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six rowed variety. Introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to the breeding of this grain. A large percentage of the Barley acreage in Wisconsin is now of this grain. Barley is a crop of first importance in Wisconsin, and a variety which has met the reception Oderbrucker has in the Badger State, must have good qualities. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister, average yield of five to ten bushels more per acre than other six row sorts were reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample Wisconsin grown, produced from seed secured from the Wisconsin Agricultural Experiment Station.

Price pk 50c, bu $1.65, 10 bu $14.00, bags included.

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best 6 rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years breeding and testing. By many trials throughout the middle western states Wisconsin Pedigree has proved a greater yielder than all others. It is tall, growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, pk 50c, bu $1.65, 10 bu $14.00, bags included.

MANSHURY BARLEY This is a standard six rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting purposes. Our seed is very good this year, clean, bright and a heavy sample of the improved Minnesota pedigree strain.

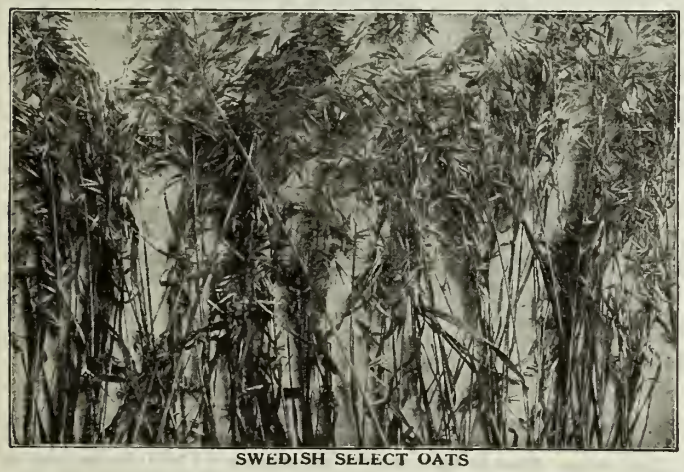
Price, pk 50c, bu $1.60, 10 bu $14.00, bags included.

SUCCESS OR BEARDLESS This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock feeding of much more value than common barley as it may be fed without danger of injury to the animals. The yield compares favorably with the bearded varieties.

Price, pk 55c, bu $1.75, 10 bu $16.00, bags included.

WHITE HULLESS This variety is strictly a feeding sort. It has a grain like that of wheat, with no beards or hulls. In feeding value it is almost equal to wheat and the yield is nearly twice as large. In the Northern States where corn does not mature a crop, White Hulless Barley is extremely valuable as it produces a good quantity of feed and is very early. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, pk 55c, bu $1.75, 10 bu $15.00, bags included.



SWEDISH SELECT OATS

SEED OATS

Note the Oat prices quoted here include burlap bags; if wanted in grain bags, add 22c for each 2½ bushel order

SWEDISH SELECT (The Best Early Oats)

Introduced a few years ago by the U. S. Department of Agrieulture, and today the most largely planted of all varieties in the Northern Central States. Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. Canadian grown seed.

Price, pk 35c, bu $1.10, 10 bu at $1.00 per bu, 2½ bu bags included.

The general oat crop in Middle United States was light and of inferior quality this year. Our seed is contracted in the Northern States and Canada and we are fortunate in being able to offer heavy fancy samples and at low prices. Write for samples.

EXTRA HEAVY PEDIGREE SWEDISH OATS — IMPORTED

For twenty-five years the Swedish Society for the improvement of seeds at Svalof, Sweden, with government aid, has been working on the improvement of their seed grains. Some truly wonderful results have been accomplished and the methods employed at Svalof are recognized and approved by the highest plant breeding authorities. Some years ago our firm imported a few lots of their grains to try them out in America. We offered last year "Victory Oats" of our own growing in America and their sale and the satisfaction which they gave has induced us this year to offer two varieties of direct importation. The samples will be found better than 40 lbs. weight per bushel, free from impurities and of high germination. Sow them on light land the first year.

VICTORY OATS In our trials this gave us best results. Hvitling was best last year, the difference in seasons being the cause, with us Victory was the earlier in maturing. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff, firm and nearly white when ripening. In Sweden this variety is recommended on clayey and humid soils, but our experience with heavy imported oats is that the lighter soils are necessary the first year to prevent lodging.

HVITLING OATS The Swedish Society for Seed Improvement recommends this sort for light or early soils, the grain is larger than Victory, very broad, plump, thin hulled and pearly white, straw medium height and strong, medium early in season, abroad much preferred in the manufacture of oatmeal on account of this grain.

Price, either variety, pk 65c, bu $2.15, 2 bu at $2.10, 10 bu at $2.00, lb 25c postpaid.

Vaughan's Pedigree Seed Corns will be found listed on pages 146, 147 and 148. A suitable variety for every corn planter no matter where located. Our corn is grown by experts in those sections best suited for the different varieties.

Victory Oats

SEED OATS

Note the Oat prices quoted here include Burlap bags; if wanted in grain bags, add 22c for each 2½ bushel order.

NEW VICTORY OATS—Canadian Grown

We are offering this season a limited quantity of the new Swedish Victory Oat, (See page 143) which we had grown for us in the Canadian northwest. Our sample is just as heavy as the original Swedish stock and the price much cheaper. One year from Swedish seed. We believe this the coming Oat for northern Illinois, Wisconsin and Michigan. Send for sample. **Price, pk 40c, bu $1.40, 2½ bu $3.25, 10 bu $12.50. Burlap bags free.**

AMERICAN BANNER OATS

We offer a splendid stock of this favorite northern variety. This variety is extremely early, productive and uniform in ripening. The straw is long, the grain thick white, and the hull is thin. Our stock is entirely free from rust or smut. Sample weighs over 40 lbs per bushel. **Price, pk. 35c, bu $1.10, 2½ bu $2.50, 10 bu lots at 95c per bu, 2½ bu bags included.**

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow in color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes.

Price, pk 35c, bu $1.10, 10 bu lots $1.00 per bu, 2½ bu bags included.

BLACK TARTARIAN

The darkest of the black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Canadian Grown Seed.

Price, pk 40c, bu $1.35, 3 bu in grain bags $3.75, bags included.

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart.

Price, 1 oz 15c, ¼ lb 40c, lb $1.20, postpaid.

BROOM CORN

Illinois Grown — Far superior to South-Western

IMPROVED EVERGREEN The most popular variety in the Western broom corn growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Price, lb 25c, postpaid. By freight or express, 10 lbs 75c, 50 lbs $3.25, 100 lbs $6.00.

OKLAHOMA DWARF An extra early sort. Average height about 5 feet.

Price, 10 lbs 75c, 50 lbs $4.00, 100 lbs $7.50.

WINTER TURF

Valuable for winter grazing and grain in the South. Its turfing and stooling qualities are remarkable, even when thinly sown soon spreads and covers the ground. Sow ½ to 2 bushels per acre.

Price, lb 30c, 3 lbs 65c, postpaid. Not prepaid, pk 35c, bu $1.35.

BUCKWHEAT

Market price changes — Write for quantity prices

Buckwheat is mostly used for filling in fields remaining unplanted after the middle of June. It is well to bear in mind that on worn-out soils a plowed under buckwheat field is a great soil fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE A popular and standard sort. Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed.

Price, pk 45c, bu (48 lbs.) $1.30, 2 bu or over $1.20 per bu., bags included.

SILVER HULL A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. Choice seed.

Price, pk 45c, bu (48 lbs) $1.30, 2 bu or over, $1.20 per bu, bags included.

BIRD SEED

Prices do not include postage

We have facilities for supplying **Fancy Clean Bird Seeds** and Bird Foods; the best only, recleaned and dust blown out. The highest grade seed only, of every kind, is used in Vaughan's Mixture. These prices are by freight or express. If wanted by mail add 10c per lb.

BIRD SEED, VAUGHAN'S MIXED. Lb 10c, 5 lbs 40c, 10 lbs 75c.
BLUE MAW (Poppy). Per lb 25c, 5 lbs $1.10.
CANARY SEED. Per lb 10c, 5 lbs 45c, 10 lbs 85c.
CUTTLEFISH BONE. Per lb 40c.
HEMP. Per lb 10c, 5 lbs 40c, 10 lbs 75c.
LETTUCE. Per ¼ lb 10c, lb 25c, 5 lbs $1.00.
MILLET, RECLEANED. Per lb 6c, 10 lbs 50c.
MOCKING BIRD FOOD. Per lb tin 35c.
RAPE. Per lb 10c, 5 lbs 40c, 10 lbs 75c.
SUNFLOWER. Per lb 10c, 5 lbs 40c, 10 lbs 75c.

Located at Chicago, a great center for Grass Seed, we are able to select the choicest grades of fancy, recleaned seed and at the best market values.

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 ft. apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

Pkt 10c, lb 30c, postpaid. By express, lb 20c, 10 lbs $1.60, 100 lbs $14.00.

CANE—VAUGHAN'S EARLY AMBER

Sugar cane is the best food that can be grown for feeding cows, horses and young stock during the dry part of summer. Southern seed for fodder, **lb 10c,** (by mail **18c**), **10 lbs 65c, 100 lbs $5.00.** Northern grown, **lb 12c,** (by mail **20c**) **10 lbs 75c, 100 lbs $6.00.**

FLAX SEED

Very profitable crop on new land. Sow early, after danger of frost is over. To raise seed, sow ½ bushel per acre; for fiber, one bushel.

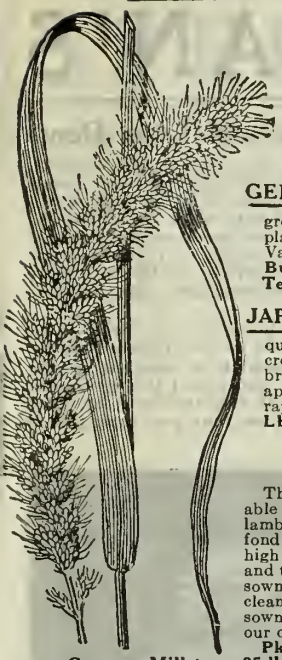
PRIMOST FLAX (Minn. No. 25) Improved, much superior to common flax, recently introduced by the Minnesota Experiment Station. Numerous lists throughout the Northeast have shown a substantial increase in yield, where Primost was planted, over yields obtained from other varieties. In season this variety is somewhat earlier than common Flax. We offer Choice Dakota grown, re-cleaned seed.

Price, pk 75c, bu $2.50, bags, included.

VAUGHAN'S FARM SEED DEPARTMENT — Continued

MILLETS Fancy Recleaned

Write us for market prices and samples on large lots. The market varies continually. Prices include bags.



German Millet

These prices are at Chicago, most Millet seed being grown in the west. If ordered from our New York store, add one-half cent per pound to these prices.

GERMAN OR GOLDEN Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices.
Bu $2.00, 100 lbs $3.75, bags included.
Tennnessee Grown, Extra Fancy, bu. $2.40, 100 lbs. $4.75.

JAPANESE MILLET Entirely distinct. It grows 6 ft., yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs per acre; it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lbs per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds.
Lb 15e, postpaid. By freight or express, 10 lbs 75c, 50 lbs $3.25, 100 lbs $6.00.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs and if in drills 2 lbs to the acre. True Dwarf Essex Rape, our own importation.
Pkt 10c, ¼ lb 15c, 1 lb 25e, postpaid. By freight or express, 10 lbs 90c, 25 lbs $1.85, 50 lbs $3.25, 100 lbs $6.00, bags included.

HUNGARIAN GRASS Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu. 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices.
Bu $1.65, 100 lbs $3.00, bags included.

PEARL OR CAT-TAIL MILLET No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills 3 feet apart or broadcast at the rate of 25 lbs. per acre.
¼ lb 10c, lb 25c, postpaid. By express, lb 15c, 10 lbs 85c, 100 lbs $7.00, bags included.

Dwarf Essex Rape

WHEATS—Spring

FANCY NORTHERN SEED. Subject to market fluctuations. Write for latest prices. 2 bu grain bags 20c each.

MARQUIS SPRING WHEAT

In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades number one almost every time. It has won the first prize for the best American wheat at all the international shows the past three years. True stock, fancy Canadian grown.
Pk 65c, bu $2.10; 2 bu $2.05, 10 bu $2.00 per bu.

SPRING EMMER

Ineorrectly called Speltz

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high.
Lb 15c, 3 lbs 40c, postpaid; bu 40 lbs 90c, 5 bu at 85c per bu, bags included.

SPRING RYE A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye.
Price, pk 40c, bu $1.25, bags included.

SASKATCHEWAN FIFE A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat.
Price, pk 50c, bu $1.65, 5 bu $7.75.

BLUE STEM PEDIGREED A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.
Price, pk 50c, bu $1.65, 5 bu $7.75.

MACARONI OR DURUM We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.
Price, pk 50e, bu $1.65, 5 bu $7.75.

PEANUTS

SPANISH The earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants.
Pkt 10c, ¼ lb 12c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.

MAMMOTH VIRGINIA The most profitable variety to grow as a market crop, though not so early as Spanish; more easily cultivated; very erect stems and upright foliage with large pods and kernels. Sow in drills 4 feet apart, placing the nuts 6 inches apart.
Pkt 10e, ½ lb 20c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.

JUMBO OR NEW ORLEANS SPECIAL This is the giant of the lower Mississippi Valley; surprises everybody. **Pkt 10c, ½ lb 25c, postpaid.**

MAMMOTH RUSSIAN SUNFLOWER

The Giant of all Sunflowers

This is the best variety for the farmer to grow. It reaches double the size of the common sort and yields twice as large a crop of seed. The seed is much used for poultry and parrot food, and has a high feeding value. The leaves of the plant make a good fodder for all kinds of stock. Besides its value for poultry, the seed can also be fed to the horses and yields also a high quality oil.
Oz 5c, lb 10c, postpaid 20c. By express or freight, 10 lbs 75c, 25 lbs $1.40, 100 lbs $5.00.

TEOSINTE A valuable continuous cutting forage plant for Southern and Southwestern states, furnishing a most nutritious food green or dry for horses and cattle. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs per acre.
Pkt 5c, oz 10c, ¼ lb 30c, lb 85c, postpaid.

Vaughan's Pedigree Seed Corn. See pages 146, 147 and 148, for a complete list of the best varieties particularly suited to each corn growiug locality.

Little Known Nitrogen Gathering Crops

The planting of Leguminous crops, the air nitrogen gatherers, is the cheapest manner of adding the highest priced and most valuable fertilizer, nitrogen.

NEW VELVET BEAN A very heavy yielding Legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop.
Price 3 oz pkt 10c, ½ lb 20c, lb 30c, postpaid. By freight or express, ½ pk 60c, pk $1.15, bu $4.00, bags included.

GIANT BEGGAR WEED (Florida Forage Plant.) An upright growing Legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre.
Pt 10c, ¼ lb 25c, lb 75c, postpaid. By freight or express, 5 lbs $3.00, 10 lbs $5.00.

VAUGHAN'S SEED POTATOES

Have a good reputation of over twenty-five years' standing.
True to Name. Grown only by experienced and careful men.
Hand Sorted. Free from scab, the prongy and small stock thrown out.
Grown in the Far North. In the Red River Valley of Dakota.
PRICES RIGHT—Our prices are low, quality considered.

FENUGREEK Annual. The seed is often sought by ostlers to give a temporary fire and vigor to their horses. Good for soiling.
Oz 10c, ¼ lb 15c, lb 30c, postpaid.

LENTILS A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups.
Lb 20e, postpaid. By express, 10 lbs $1.00.

LUPINS, YELLOW Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 90 lbs. per acre.
Lb 25c, postpaid. By freight or express 10 lbs $1.10.

SAINFOIN, or ESPARSETTE An excellent perennial Fodder Plant, growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drilis or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.
Lb 30c, postpaid. By freight or express, 10 lbs $1.50, 50 lbs $6.50, 100 bs $12.00.

Field of Early Corn on the Vaughan Farm near Homewood, Ill.

VAUGHAN'S

Our Seed Corns, Early and Late, Dents

Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for a short or medium corn growing season are raised for us in Northern Sections. Main crop sorts are grown for us in sections where they reach their full maturity and development. Our growers are recognized leaders in growing their respective varieties. They know all about the latest theories of corn breeding and practice them.

We plainly state where each corn has been grown, for it must be borne in mind seed corn produces best when planted under similar climatic and soil conditions to which it was originally raised. The drought the past season has shortened the seed corn crop materially and seed from fancy, well selected corn is short and high in price. Order seed corn early, so that you may test it for yourself.

REID'S YELLOW DENT

Northern Grown

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" North of Kankakee and LaSalle counties. This strain of Reid's differs from the standard type only in running slightly smaller and with larger cobs. We have secured a selection of Reid's Dent this season which has grown and matured in fine, dry condition within 50 miles of Chicago for three years, and this we now offer for use in Cook County and westward as the finest, highest grade yellow Corn which can be safely planted this far north. **Shelled, ½ pk. for 50c; pk., 80c; bu., $3.00. Selected ears, per bu. crate, $4.00.**

REID'S YELLOW DENT

(Standard Type)

Shelled and on ear. The great prize-winning Show Corn. Brought to Illinois in 1846 from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob, well filled at butt and tip. We offer a very choice selection of seed grown from pedigree seed selections for years. It has won first prizes at Springfield State Fair and National Corn Show. **Price: ½ pk., 50c; pk., 80c; bu., $3.00; 4 bu., $11.50; 10 bu. lots, $27.50. Postpaid, pkt., 10c; pt., 20c; qt., 30c. Selected cars, bu. crate, $4.00; three for $11.00.**

LEAMING IMPROVED

LEAMING IMPROVED

See illustration. Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumfercnce, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; kernels yellow, wedge shaped; cob red, of medium size. The stalks are of good size and in New York and New England used a great deal for ensilage. Our seed is grown from prize stock in the central corn belt. **Shelled, selected, tipped and butted, price, pk., 60c; bu., $2.00; 4 bu. lots, $7.50. Postpaid, large pkt., 10c; pt., 20c; qt., 30c.**

BOONE COUNTY WHITE The best type of White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. Central Illinois grown. Price selected ears., **bu. crate, $4.00; shelled, ½ pk., 45c; pk., 70c; bu., $2.75; 4 bu. lots, $10.50. Postpaid, large pkt., 10c; pt., 20c; qt., 30c.**

SILVER MINE One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, 7¼ inches; kernels rough and deep, a little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. **Pk., 60c; bu., $2.00; 4 bu., $7.50. Postpaid, pkt., 10c; pt., 20c; qt., 30c.**

10 Ears Northern Grown Reid's Yellow Dent, showing type

Cross Section—Reid's Yellow Dent Standard Type and Northern Grown showing differences in kernels and cob

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. A 110 day corn. Our seed is carefully selected, grown by a noted breeder in the West Central Corn Section, a specialist on this excellent variety. **Shelled, selected, tipped and butted, price, pk., 55c; bu., $2.00; 4 bu. lots, $7.50. Postpaid, pkt., 10c; pt., 20c; qt., 30c.**

HICKORY KING

A fine sort for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed. **Shelled pk., 55c; bu., $1.75; 4 bu., $6.50. Postpaid, pkt., 10c; pt., 20c; qt., 35c.**

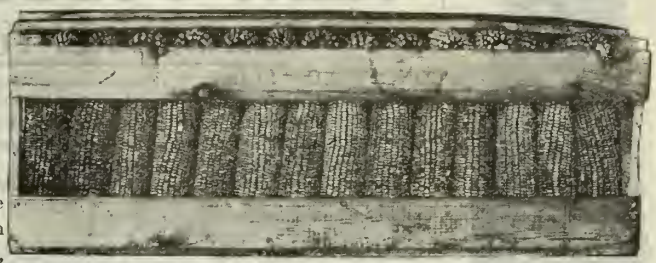
SEED CORN

and Flints, Fit Every Corn Growing Locality

NORTHERN GROWN EARLY SEED CORN

Such varieties of Early Corn as we list on this page are the purest bred Northern Corn sorts to be found. They are grown in North Dakota, Wisconsin, Minnesota, Michigan, Northern Illinois, Northeastern Nebraska and Central Ohio. They begin with the very earliest Flint (Jehu), include all the earliest Dent varieties, and end with the medium season Golden Surprise. For their respective sections they represent the heaviest yielding and purest bred type in existence.

It is now universally recognized that the so-called 90-Day or Early Corn grown in Southern localities requires twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.



A Crate of Selected Ears Northern Grown Reid's Yellow Dent

The Vaughan Farms in Northern Illinois and Central Michigan are ideally situated for producing those varieties of early corn most suitable for the majority of our customers in the seed corn line, whose farms are located in Northern Illinois, South and Central Wisconsin and Michigan. This year a good sized warehouse equipment for drying our corn has been added to our facilities. We try, without regard to expense, to sell the best bred corn of the highest germination. The corn is field sorted, put in crates and then racked, each ear separately to insure even drying. In drying, artificial heat is used when moisture content demands such treatment.

MADISON YELLOW DENT

MADISON YELLOW DENT

This Corn is, we believe, the best Yellow Dent Corn ever introduced for the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan. It grows to maturity in 100 to 105 days of ordinary Corn weather, and is a wonderful yielder. The ear is a little smaller than Reid's Yellow Dent, but resembles the latter variety otherwise. Ears 8½ inches long, 16 rowed, dark red cob. The kernels are deep, closely set together in even rows, with just space enough to permit drying, a very essential point in Northern Corn. Our Strain is grown on our own farms in Central Michigan and Northern Illinois, and under our direct supervision in the same localities. **Price, shelled from selected ears, ½ pk., 50c; pk., 80c; bu., $3.00; 2 bu. or over at $2.75. Selected ears, bu. crate, $4.00.**

MINNESOTA No. 13 OR WISCONSIN No. 8.

A heavy yielding, extremely Early Yellow Dent Corn. It matures in 90 days of corn weather. Stalks are quite tall and this variety furnishes a large amount of fodder. Grows to a height of 8 ft. on good soil. Ears medium size, 8 inches long, 16 rows, and taper toward the tip. The kernels show a good Dent type and are of fair depth. It is not as well bred as yet as Madison Yellow Dent. It is however, about 10 days earlier. **Minnesota Grown, shelled, from selected ears, ½ pk. for 45c; pk., 75c; bu., $2.75.**

PRIDE OF THE NORTH A standard Early Yellow Dent, and the most planted of all in Northern Illinois and Iowa. We offer Northern Iowa grown seed, which we find evener in type and earlier in season than a great deal of the Southern grown "Pride." The type varies, usually sixteen rows, tapering to the tip. **Our seed** is from selected ears, tipped and butted. **Price, shelled, pk., 60c; bu., $2.00; 2 bu., $3.75. Postpaid, pkt., 10c; pt., 25c; qt., 45c.**

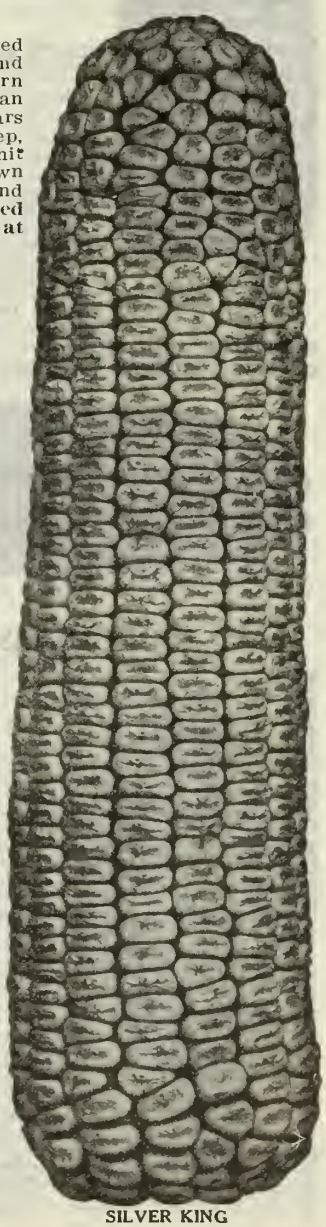
NORTH STAR. This variety which has featured in our catalog for more than 25 years we have occasionally lost our crop of, but good customers of ours in the vicinity of Baraboo, Wisconsin, have maintained a notable purity of selection and we renewed our planting stock last spring. The resulting crop on our own farms this autumn has proven very early, being dry and fit for seed purposes in September. This corn will mature as far north as Madison, Wisconsin. Sixteen rows, deep grain, small red cob, the most valuable Dent Corn suitable for Corn Belt in the latitude of Southern Minnesota and Middle Wisconsin. **Price, Shelled Corn, ½ pk., 45c; pk., 75c; bu., $2.75; selected ears, bu. crate, $4.00.**

SILVER KING or WISCONSIN No. 7 Matures in 100 to 105 days. Introduced the last four years by Prof. Moore of the Wisconsin Experiment Station. Of good cylindrical shape. Ears 8 inches, usually 16-rowed. The kernels are deep set, just thick enough that rapid ripening is not checked. Excellent for Southern and Central Wisconsin. **Northern Illinois, shelled from selected ears, ½ pk., 45c; pk., 75c; bu., $2.75. Postpaid, pkt., 10c; pt., 25c; qt., 40c. On the ear, per bu. crate, $4.00.**

THE "CHAPMAN" CORN An early, pale yellow, deep grained, superior shelling, light-capped Dent corn, bred by the Chapman family, first in Northern Ohio, beginning in 1818, and after 1845 in Michigan, where its high reputation is well known. A certain maturing, high yielding corn for Northern Illinois, Indiana to Central Michigan and Wisconsin. Michigan seed from H. S. Chapman, Cassopolis. Similar in shape and size to Madison Yellow Dent. **Shelled, ½ pk., 40c; pk., 75c; bu., $2.50; crates on ear, bu., $3.50.**

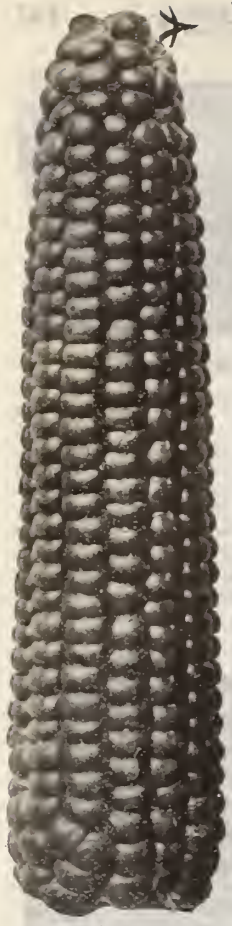
GOLDEN SURPRISE Remarkable for its small cob and high shelling qualities. Central Ohio seed. Recommended for localities south of line drawn from Cleveland to Peoria. **Price, ½ pk., 35c; pk., 60c; bu., $2.00; 2 bu., $3.75.**

DAKOTA SUNSHINE DENT Matures in better than 90 days. Ears 7 inches, quite hard, slightly dented and yellow, tinged with red in color. Good for late planting in central locations, and may be planted closer than later sorts. **Dakota-grown shelled, ½ pk., 45c; pk., 75c; bu., $2.75. If ordered from New York, add 20c per bushel to these corn prices.**



SILVER KING

FLINT FODDER AND POP CORNS



Black Beauty Pop Corn

EXTRA EARLY FLINT VARIETIES

Add 20c per bu to these prices if ordered from New York

LONGFELLOW FLINT A beautiful eight rowed variety of the Canadian type. The ears are of great length, ten to fifteen inches, and in color a rich glossy yellow. The stalks grow tall, seven to seven and one-half feet, and the ears are borne about three feet from the ground. A favorite with chicken raisers in the middle corn belt. **Price shelled, ½ pk 35c, pk 65c, bu $2.25; large pkt 10c, pt 25c, qt 35c, postpaid.**

GIANT LONG FLINT A tawny and smoky white variety, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are of unusual length, twelve to fifteen inches, smooth and symmetrical. Stalks bear two to three ears. **Price shelled, ½ pk 35c, pk 60c, bu $2.00; large pkt 10c, pt 25c, qt 35c, postpaid.**

KING PHILLIP This is an extra early Red Flint sort. The ears are ten inches long and eight rowed. On poor land it does much better in yield than most other sorts, extremely hardy and of one the most reliable "Extra Earlies," ripening in eighty days. **Price shelled, ½ pk 35c, pk 65c, bu $2.25; large pkt 10c, pt 25c, qt 35c, postpaid.**

WILL'S JEHU Also known as North Dakota Yellow Flint. It is probably the earliest valuable yellow corn we have. The average height is five feet and the ears grow close to the ground. Ears eight inches. **Price shelled, ½ pk 65c, pk $1.00, bu $3.50. Pkt 10c, pt 30c, qt 50c, postpaid.**

RHODE ISLAND WHITE CAP FLINT This is the White Flint variety used in New England for hominy and hulled corn. For table quality, flavor and sweetness it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder. **Price shelled, ½ pk 40c, pk 70c, bu $2.50. Pkt 10c, pt 25c, qt 35c postpaid.**

SMUT NOSE FLINT The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder. **Price shelled, ½ pk 35c, pk 65c, bu $2.25. Large pkt 10c, pt 25c, qt 35c postpaid.**

GOLDEN DEW DROP A handsome bright yellow. Eight rowed flint. Remarkable yielder with few suckers. Ears 9 inches, stalks grow 5½ ft. 90 days to maturity. **Price shelled, ½ pk 35c, pk 60c, bu $2.00. Large pkt 10c, pt 25c, qt 35c postpaid.**

POP CORN

Selected Ears For Seed

BLACK BEAUTY (New) An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. This new variety has been bred in Wisconsin and is extremely early, ripening so it may be popped the same season as grown, without kiln drying. **Pkt 10c, ½ lb 20c, lb 30c, postpaid. By express, lb 20c, 5 lbs 80c, 25 lbs $2.50, 100 lbs $9.00.**

Price of any of the following kinds of Pop Corn, postpaid: Pkt 5c, ½ lb 12c, lb 20c. Not prepaid, lb 12c, 5 lbs 40c, 10 lbs 65c, 25 lbs $1.40, 100 lbs $5.00.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE The most popular for home use. The grain s pointed, pops white, is full.

MAPLEDALE PROLIFIC A great yielder. It pops pure white.

QUEEN'S GOLDEN It pops perfectly white, and a single kernel will expand nearly one inch.

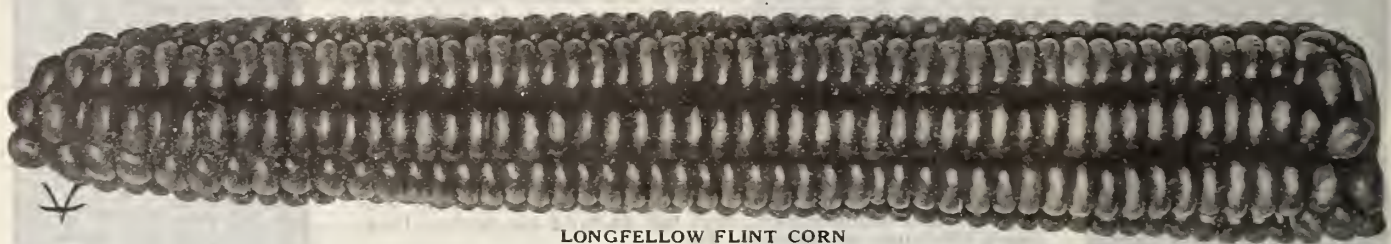
FODDER CORN The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents or Leaming, many wanting partly or wholly ripened ears; in the central belt southern grown ensilage corns; while sweet corn for dairying regions is used.

FODDER CORN Bags 25c each on Bushel Lots and Over.

"RED COB" ENSILAGE or FODDER This selection has great reputation. Has a deep red cob, strong leafy stalks and short joints. Adapted to all sections. **Pk 45c, bu $1.35; 5 bu $6.35.**

VIRGINIA MAMMOTH WHITE HORSE TOOTH Small stalks, vast quantity foliage, short joints, kernels large and white. **Pk 50c, bu $1.60, 5 bus $7.50.**

SWEET FODDER A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Pk 75c, bu $2.50, 2 bu $4.75.**



LONGFELLOW FLINT CORN

SORGHUMS, KAFFIR, MILO, CANE, Etc.

SUGAR CORN—Vaughan's Early Amber

The value of Sugar Cane as a green fodder crop is yearly being better appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than $1.00 invested for seed. Sow 60 pounds to the acre.

We offer both northern and southern seed. Northern seed, ¼ lb 10c, lb 20c, postpaid; by freight or express, 10 lbs 80c, 50 lbs $3.25, 100 lbs $6.00. Southern Seed (for fodder) 10 lbs 60c, 50 lbs $2.35, 100 lbs $4.50, bags included.

FETERITA Earliest of the drought resisting sorghums. A recent introduction. Out-yielded all other sorghums during the past dry summer in Kansas. Worthy of a trial in Northern Sections. 25c per lb., postpaid; 5 lbs. 50c, 50 lbs. $4.50, 100 lbs. $8.50, by express, bags included.

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs per acre. **Pkt 5c, ½ lb 15c, lb 25c prepaid; by freight or express, 10 lbs 80c, 50 lbs $3.25, 100 lbs $6.00, bags included.**

KAFFIR CORN One of the very best forage plants. Preferred by some to Cane for stock feeding. Grows four to five feet high. For fodder sow 3 pecks per acre broad-cast. Pkt. 5c, lb 20c, 3 lbs. 45c. postpaid: by freight or express: 10 lbs. 50c, 50 lbs. $1.75, 100 lbs. $3.25, bags included.

MILO MAIZE White variety of sorghum, non-saccharine, growing stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs per acre. 1 lb 20c, postpaid; by freight or express, 10 lbs 60c, 50 lbs $2.80, 100 lbs $5.50, bags included.

Field of Early Amber Cane Grown in Central Michigan

VAUGHAN'S HIGH-GRADE FERTILIZERS.

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth.

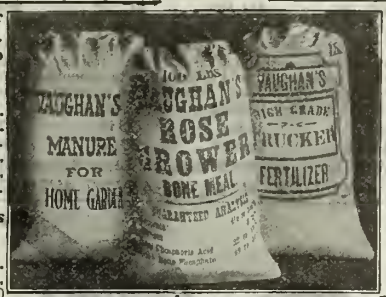
It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

VAUGHAN'S HIGH-GRADE TRUCK AND FARM MANURE

This is our best brand of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape	200 to 500 lbs.
Beans	400 to 600 lbs.
Carrots and Cucumbers	400 to 800 lbs.
Asparagus, Lettuce, Tomato and Strawberries	500 to 1000 lbs.
Beets, Onions and Cabbage	500 to 1500 lbs.
Celery	600 to 800 lbs.

Price, 25 lbs 75c, 50 lbs $1.35, 100 lbs $2.60, 200 lbs $5.00, 500 lbs $14.75, 1000 lbs $22.50, 2000 lbs $44.00.



VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. Is is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. **Price, 5 lbs., 25c; 10 lbs , 50c; 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.00; 500 lbs., $9.75; 1,000 lbs., $18.50; 2,000 lb., $36.00.**

Quantity Required.—For permanent pasture and mowing lands ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. **5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 50 lbs., $1.10; 100 lbs., $2.00; 200 lbs., $3.80; 500 lbs., $9.00; 1,000 lbs., $17.00; ton, $33.00.**

COARSE GROUND BONE. **For Grapes. 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 100 lbs., $2.00.**

BON ARBOR A highly concentrated form of plant food. ½ lb. pkg, making 15 gals. 25c; 1 lb. pkg, making 30 gals, 50c; 5 lb. pkg, making 150 gals, $1.75. Box 50 lbs. $12.50; 100 lbs. $20.00. In bbls, 250 to 300 lbs. 18c per lb.

TRUCK MANURE No. 2. **"All Soluble."** This brand has been prepared for such crops as require an extra quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1,000. **Price, 25 lbs., 70c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.00; 500 lbs., $9.50; 1,000 lbs., $18.00; 2,000 lbs., $35.00.**

VAUGHAN'S MANURE FOR HOME GARDEN. This is suited for all kinds of flowers, vegetables and the lawn, being a high-grade complete fertilizer, just what is needed to make plants grow. **Price, 5 lb. box, 30c; 10 lbs., 50c; 25 lb. bag, $1.00; 100 lbs., $3.00.**

FRUIT AND ROOT CROP MANURE. For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1,000; Potato, 500 to 1,000; Sage, 200 to 600; Salsify, 500 to 1,000; Turnip, 500 to 1,000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. **Price, 25 lbs., 65c; 50 lbs., $1.25; 100 lbs., $2.35; 200 lbs., $4.25; 500 lbs., $9.00 1,000 lbs., $17.25; 2,000 lbs , $33.50.**

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adaptedto fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. **Price, 25 lbs., 60c; 50 lbs., $1.00; 100 lbs., $1.85; 200 lbs., $3.25; 500 lbs., $8.75; 1000 lbs., $17.00; 2000 lbs, $33.00.**

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. **Price, 7 lbs., 75c; 14 lbs., $1.25; 28 lbs., $2.50; 56 lbs., $4.00; 112 lbs., $7.00.**

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, mums, all kinds of pot plants. **Price, F. O. B. Chicago; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.85; 200 lbs., $7.50; 500 lbs., $17.50.**

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. **Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.25; 100 lbs., $4.50.**

KAINIT or German Potash Salt. This contains an average of 12 per cent. of actual potash. It should be applied a considerable time before the crop is planted in order that it may be well distributed. It is not advisable to put it in the hill or row immediately before planting. Mixed with Bone Meal it is a splendid fertilizer as a top-dressing for fruit trees and small fruits. **Price, 10 lbs., 30c; 25 lbs., 50c; 100 lbs., $1.50; 500 lbs., $6.25; 1,000 lbs., $11.50.**

GUANO. A standard Fertilizer. **Price, 5 lbs., 35c; 10 lbs., 65c; 50 lbs., $2.60; 100 lbs., $4.50;** Write for prices on larger lots—subject to market changes.

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. **Price, 28 lbs., $1.50; 56 lbs., $2.50; 112 lbs., $4.00.**

VAUGHAN'S CONCENTRATED PLANT FOOD.

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months. 15c; 3 for 40c; Large package, containing sufficient plant food for one year, 25c; 3 for 65c; if by parcel post, postage extra; mailing weight, small 10 oz, large 17 oz. Directions in package.

BOWKER'S PLANT FOOD. First-class; **Small pkg., 15c; large pkg., 25c;** mailing weight, small 7 oz, large 15 oz.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must in some way furnish the plants with Nitrogen.

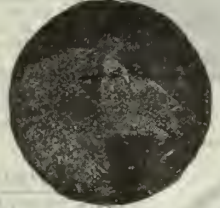
HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: **Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.**

For **Asparagus,** a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance. For **Strawberries,** a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the **Home Garden** apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs. 35c; 10 lbs., 60c; 25 lbs., $1.35; 100 lbs., $4.00; original sack (220 lbs.) $8.25; 500 lbs., $18.00. Write for prices on larger quantities.



VAUGHAN'S SHEEP MANURE.

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. **5 lbs., 25c; 10 lbs., 40c; 25 lbs., 65c; 50 lbs., $1.00; 100 lbs., $1.75; 500 lbs., $7.00; 1,000 lbs., $11.00; ton, $20.00.**

MURIATE OF POTASH. A form of Potash Salts to be used with Bone Meal, Bone and Blood or farm manures on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover and beans. Must not be used on hops, potatoes, tobacco, flax, sugar beets, cabbage or cauliflower. 50 to 400 lbs. per acre. **Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.85; 100 lbs., $3.50; 200 lbs., $6.50; 500 lbs., $15.75.**

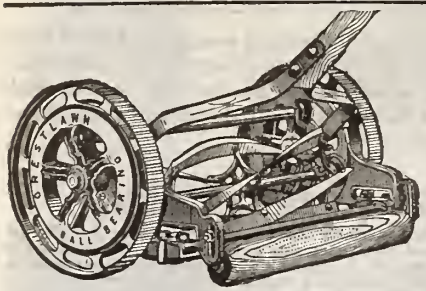
SULPHATE OF POTASH. A desirable form of Potash to be used on all crops, but especially on tobacco, hops, potatoes, flax, sugar beets, cabbage or cauliflower. Use 50 to 400 lbs. per acre. It is the best form for greenhouse use, and may be applied either broadcasted and mixed with the soil, or in solution in water. In re-potting or in shallow beds, use a tablespoonful to a bushel of the soil. In water use a tablespoonful in 12 quarts. **Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.10; 50 lbs., $2.00; 100 lbs., $3.75; 200 lbs., $7.00; 500 lbs., $16.50.**

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. **Price, 1 lb., 25c; 5 lbs., 60c; 10 lbs., $1.10; 25 lbs., $1.75; 100 lbs., $6.50.**

SHREDDED CATTLE MANURE. An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. **Price, f. o. b., Chicago: 100 lbs., $1.80; 500 lbs., $7.00; 1,000 lbs., $13.50; 2,000 lbs., $21.00.**

REGARDING PRICES.—The above prices on Clay's Fertilizer, Nitrate of Soda, Horn Shavings, Scotch Soot, Guano and Vaughan's Manure for the Home Garden are f. o. b. New York or Chicago; all the other prices are f. o. b. Chicago; if to be shipped from New York, add at the rate of 50c. per 100 lbs., or $7.00 per ton on lots of 1,000 lbs. or over to the above prices.

VAUGHAN'S LAWN MOWERS, ROLLERS, SWEEPERS SCYTHES, LAWN BOOTS, ETC.



CRESTLAWN BALL BEARING

The Strongest and Easiest running lawn mower ever built. Extra high eleven-inch Ball Bearing drive wheels and Automatic interlocking frame that cannot be knocked or twisted out of adjustment. The ONLY mower in the world so constructed.

Revolving Cylinder has five Self-sharpening steel blades and Self-adjusting Ball Bearings.

Recommended especially to owners of large lawns and parks where quality counts and first class, smooth work is desired. Recognized as the Highest Grade lawn mower in America. Absolutely guaranteed in every respect.

"Every bearing Ball Bearing."

14 in.	16 in.	18 in.	20 in.
$12.00	$13.00	$14.00	$15.00

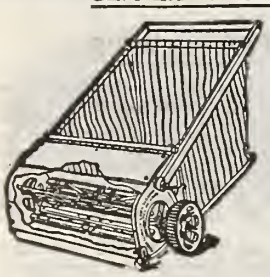
PHILADELPHIA GRASS COLLECTOR

Has a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **Price for High Wheel and Style K and the Vaughan Mower, 14 and 15 inch, $1.70; 16 and 17 inch, $1.80; 18 and 19 inch, $1.90; 20 and 21 inch, $2.00.**

SIMPLEX GRASS CATCHER

A Grass Catcher of real merit. Fits any mower made. Instantly attached or detached. Has galvanized iron bottom and never-rip canvas cloth connections. It keeps the lawn clean, and will last a lifetime. Admittedly the best on the market. No. 1 fits 14 and 16-in. mowers—**Price $1.50.** No. 2 fits 16 and 18-in. mowers—**Price $1.75.**

GEM LAWN SWEEPER



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. **Price, 24-inch wide, each, $16.00.**

Philadelphia Horse Lawn Sweeper

A revolving brush in front sweeps the sod clean and throws the sweepings backward into a large box in the rear. The box can be dumped without stopping. The only reliable horse machine on the market. Sweeps 40 inches wide. **Price $72.50.**

LEAF RACK.

Very convenient for the cartage of leaves, cut grass from the lawn etc. Rack has an average width of 28 in. by 42 in., and is 21 in. deep. Leaf Rack with truck, 2½ in. tires. **$14.00;** without truck, **$6.50.**

UTICA LAWN TRIMMER

Each **$3.50**

Capitol Lawn Trimmer and Edger.

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. **Price each $6.00 complete.**

PHILADELPHIA LAWN MOWER

High Wheel (Steel)—Style A.

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any Mower of its size, consequently it is lighter in draught and easier to push. Fitted with four cutting-blades and ten-inch drive wheels—does not readily get out of repair, and in this way makes up for the higher cost by lower repair bills.

15 in.	17 in.	19 in.	21 in.
$10.25	$11.50	$12.75	$14.00

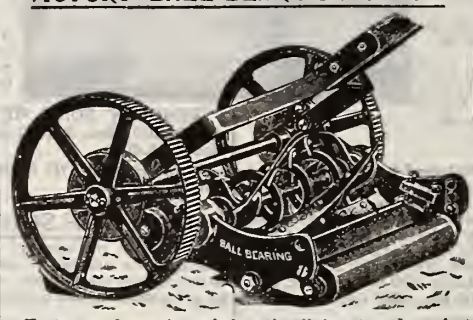
High Wheel—Style K.

For all-round general purposes this is one of the best style Mowers on the market. With its high wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it has the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
$6.15	$6.80	$7.40	$8.00

Write for complete Philadelphia Lawn Mower Catalog

VICTORY BALL-BEARING MOWER.



To best of our knowledge the lightest and easiest running Mower on the market. While especially adapted to cutting fine lawns, the "Victory Mower" will do first-class work on lawn too rough for other mowers to be used. The ball bearings are the highest grade and reduce the friction so that a 24-in. machine can be run as easily as an 18-in. old style mower.

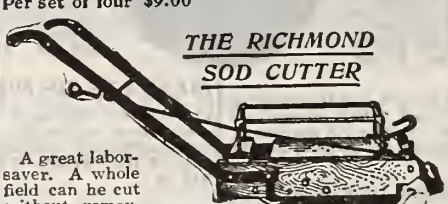
14 in.	16 in.	18 in.	20 in.
$8.50	$9.50	$10.50	$11.50

HORSE LAWN BOOT

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

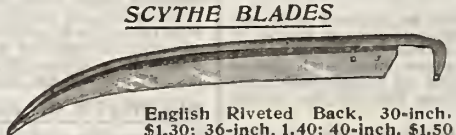
No. 2 for No. 2 horse shoe 5½ in. inside measure
No. 4 for No. 4 horse shoe 6½ in. inside measure
No. 6 for No. 6 horse shoe 7 in. inside measure
Per set of four $9.00

THE RICHMOND SOD CUTTER



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. **Price $23.00**

SCYTHE BLADES

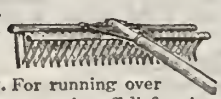


English Riveted Back, 30-inch, $1.30; 36-inch, 1.40; 40-inch, $1.50

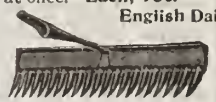
Scythe Snath or Handle, with patent fastening, each $1.00.

Talacre Scythe Stones each 25c, 3 for 60c.

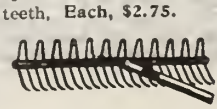
LAWN RAKES.



Automatic Self Cleaning. A backward motion of the operator clears all the teeth at once. **Each, 75c.**



English Daisy. For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teeth, **Each, $2.75.**



Lawn Queen. Wire teeth, reversible head; 24 teeth, each, 45c; 36 teeth, each, 75c.

THE EAGLE PHILADELPHIA HORSE LAWN MOWER.

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs; 40 inch, 610 lbs. **Price** (including seats, shafts and side-draft attachment) **f. o. b. Chicago or New York: 35-inch cut, $100.00; 40-inch cut, $110.00.**

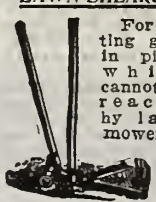
N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

THE VAUGHAN LAWN MOWER.

The driving wheels are ten inches in diameter, cylinder fitted with 4 blades suitable for long or short grass. Cylinder can be removed from machine without distrubing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work.

15 in.	17 in.	19 in.	21 in.
$8.50	$9.50	$10.50	$11.50

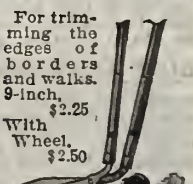
LAWN SHEARS



For cutting grass in places which cannot be reached by lawn mower.

Two Wheels, Each. $2.75

BORDER SHEARS



For trimming the edges of borders and walks. 9-inch, $2.25
With Wheel, $2.50

Gold Medal Roller Bearing Lawn Rollers

The benefit derived from using a roller on the lawn is inestimable. Freezing and thawing causes the ground to heave, and a too liberal watering with force washes the soil from the roots of the grass, and if the sod is not pressed down the grass is apt to burn out. Also if a roller is used on a lawn moles will not molest it.

Diameter.	Face.	Sections.	Weight, lbs.	Price
No. 401..15 in...	16 in.....	2.....	150	$ 9.50
No. 402..15 in...	24 in.....	3.....	200	12.50
No. 404..20 in...	20 in.....	2.....	250	15.00
No. 407..20 in...	24 in.....	2.....	300	18.00

ONE AND TWO SECTION "WATER-WEIGHT" ROLLERS

Without Counter-Balancing Hand Weights

	Dia. in.	L'gth in.	Sec-tions.	Wt. Filled em'ty	Filled sand	Filled water	Prices
WB3	14	20	1	60	200	300	$10.00
WB5	18	24	1	75	300	500	13.00
WB7	24	24	1	125	500	800	17.00
WB9	24	32	1	140	650	1000	19.00
WB11	18	24	2	100	300	500	18.00
WB13	24	32	2	170	650	1000	24.00

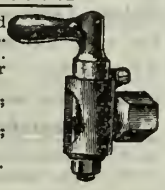
VAUGHAN'S LAWN, HOSE SPRINKLERS, NOZZLES, Etc.

HOSE NOZZLES

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. **Each, 60c;** by mail, **70c.**

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each. **50c;** if by mail, **60c.**

INSECTICIDE NOZZLES



These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **25c extra.**

Bordeaux Nozzle. Each, **75c;** by mail, **80c.**

Vermorel Nozzle. Each, **75c;** by mail, **80c.**

Coupling to fit nozzles to hose. Each, **25c.**

BAMBOO EXTENSION ROD

Lined with aluminum cock. Eight feet long, with stop Each, **$3.00.**

ALL IRON HOSE REEL

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10 - 100 ft. ¾-in. hose.....**$2.75**
No. 20 150 ft. ¾-in. hose..... **3.00**

THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **8c;** doz., **75c;** 1-inch each, **10c;** doz., **$1.00,** postage, **5c** doz. extra.

Iron Mender, for ¾-inch hose. Each, **5c;** doz. **50c**

THE EVANSTON SPRINKLER

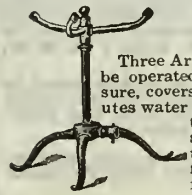
One of the best lawn sprinkers; has no revolving parts to wear out; will not clog with dirt. Gives even distribution of water over wide area. The fineness and symmetry of its spray make it especially desirable for new lawns and flowers. Its location may be easily changed while under full working head by aid of wire or cord. Ea. **35c.** Mailing Weight about 2 lbs.

LINCOLN PARK or Butterfly

Used for years in Chicago parks; one of the most satisfactory sprinklers. Each, **30c.**

Mounted on stand, 2 foot, **75c;** 4 foot, **85c;** 6 foot, **$1.00.**

"COLUMBIA" SPRINKLER



Three Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height, 1 foot. Each, **$2.25;** 3 for **$3.45.**

"AUSTRALIAN" SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2 foot, **65c;** 4 foot, **75c;** 6 foot, **85c;** 8 foot, **$1.00.**

RUBBER HOSE

Electric Non-kinkable.

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with "snap" hose couplings if advised when ordering. Price, ¾-inch, per 25 feet, **$5.50** 50 feet. **$10.00;** 100 feet, **$20.00.**

Velvet

A first class smooth hose will give good satisfaction Price ¾ in., per 25 feet. **$5.00,** 50 ft. **$9.00,** 100 ft **$17.50.**

THE "SNAP" HOSE COUPLER

Best coupler, simple durable, always tigbt for ¾-inch hose. Per pair, **30c.**

HOSE COUPLER, Brass, for ½ or ¾-inch hose, Each, **15c;** doz., **$1.50.**

Hose Straps, Coldwell. Used in fastenings coupler on hose. Doz., **15c.**

PERFECT CLINCHING HOSE COUPLER

¾-inch, per pair, **25c.**

Perfect Clinching Hose Mender

A self fastening coupling that does not require extra bands, bolts or wires. It adjusts itself to any thickness of hose, ¾-inch, each, **10c;** doz. **$1.00.**

SPRAYERS FOR INSECTICIDES

IRON AGE VERTICAL BARREL SPRAYER PUMP No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, **$15.00** without barrel; **$18.50** with barrel, with 15 ft. hose **$19.50**

IRON AGE HORIZONTAL BARREL SPRAYER No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used

Price, **$21.50** without hose, with one 15 foot length of hose, **$23.00.**

IRON AGE STRAINER

Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble, each **$1.25.**

Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

By using an extension rod the tops of highest trees can be reached, and as one or two leads of hose may be used, it cannot be surpassed for fast work. Pump can be mounted either on end or side of a wine or kerosene barrel.

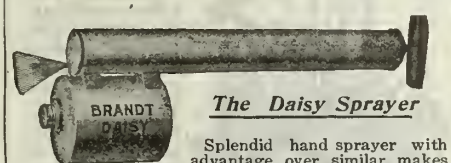
Pump complete with agitator, suction pipe, brass strainer and two leads ½-inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles,.....**$10.00**

PERFECTION

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insectides, etc. Galvanized Steel, **$5.00;** All Brass, **$7.50**

PNEUMATIC SPRAYER

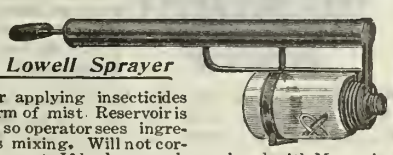
Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used in apply insecticides, etc. One quart size. Galv. Tank **$1.00;** Brass Tank, each.....**$1.75**



The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each.....65c

The Lowell Sprayer



For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar

Price, each, **75c;** 3 for.....**$2.00**

Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies, or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray, It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money. Price, complete **$4.00**

The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration. Briefly, the "Auto Pop" is an automatic valve closed by air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening valve and allowing instantaneous discharge of spray. Price, galvanized iron reservoir, **$4.50,** with Auto Pop **$5.40;** solid brass reservoir **$6.75** with Auto Pop **$7.65.** Extension rods, 2-foot lengths, **45c.** Two-row attachments, **$1.35.**

0-2 Whitewash Sprayer

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with three feet discharge hose shut-off cock, and our Star spray nozze and shoulder strap. Each **$6.50.**

INSECTICIDES and FUNGICIDES

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. Box 25c; by mail 35c; smaller size 15c.

Aphine. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. ¼ pt. 25c, ½ pt. 40c, pt. 65c, qt. $1.00, gal. $2.50.

Aphis Punk Special preparation of nicotine for killing insects. 12 sheets, 60c. Icase, 12 pkgs. $6.50.

Arsenate of Lead, Popular remedy for use against all chewing insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. 1 lb 25c, 5 lbs $1.00, 10 lbs $1.80, 25 lbs $3.75, 50 lbs $7.25, 100 lbs $14.00.

Bordeaux Mixture. (Liquid or Paste.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. 1 qt. 40c. gal. $1.00, 5 gals. $4.50. (Dry.) Ready for use by simply adding water. Lb. 25c; postpaid 40c; 5 lbs. $1.00; 28-lb. keg $4.75.

Fir Tree Oil. Fine spray for greenhouse and house plants affected with mealy bug, scale, red spider, black and green aphis, thrip, lice, worms and slugs. Small bottle 25c, ½ pint 40c, pint 75c, quart $1.25, gallon $4.00.

Fir Tree Oil Soap. For thrip, red spider, black and green fly, mealy bug, worms, ½ lb. tin, 25c; 2 lbs. 75c.

Fish Oil Soap. (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark. Per lb. 18c, 2 lbs., 30c; 5 lbs., 65c.

Fungine. New remedy for mildew, and other fungus diseases, for greenhouse and outdoor use. ½ pt. 35c, 1 pt. 55c, 1 qt. 75c, 1 gal., $2.00.

Flowers of Sulphur. Per lb. 10c; 10 lbs. 75c; 25 lbs. $1.50.

Grape Dust. Excellent for the prevention and destruction of mildew on plants. Per lb., 10c; 5 lbs., 35c.

Hellebore Powdered White Less poisonous than Paris Green and safer to use when fruit is nearly ripe. Per lb. 30c; by mail 45c; 5 lbs., $1.40; 10 lbs., $2.50.

Horicum. Sulphur, Lime, Salt, etc., in such proportions as to make an affective wash for use as a preventive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. Per gal. $1.00; 5 gals $4,50. Write for barrel prices.

Kerosene Emulsion. One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphis, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. Per qt. can, 40c; 1 gal. $1.00; 5 gal. can, $4.50.

Lemon Oil. Destroys mealy bug, scale, thrip red spider, etc. ½ pt. 25c, pt. 40c qt. 75c, ½ gal. $1.25, 1 gal. $2,00.

Lime-Sulphur. The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can 40c; 1 gal., $1.00; 5 gal., can, $4.50.

Nico-Fume. Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 feet wide. Price 24 sheets $1.00; postpaid, $1.10; 144 sheets $4.50; 288 sheets $8.50.

Nico-Fume Liquid. For fumigating or spraying; contains 40 per cent nicotine, ¼ lb. 60c; 1 lb. $2.00; 4 lbs. $7.00; 8 lbs. $13.50.

Nicoticide. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 ozs. 70c, ½ pint $1.25, pint, $2.50, quart $4.50, ½ gallon $8.25, gallon $15.00.

Nicoteen. Use same as Nicoticide. ¼ pt. 40c; ½ pt. 75c, pt. $1.50, 3 pts. $4.25. Per original case, 10 pts. $12.50.

Paris Green. A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. ¼ lb, 10c, ½ lb. 18c, lb. 30c. 5 lbs. $1.40. 14 lbs. $3.65.

Persian Insect Powder. Lb. 40c; by mail, 55c.

Pyrox. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. Price: lb. 25c; 5 lbs. $1.00; 10 lbs., $1.75; 25 lbs., $4.00; 50 lbs., $7.50; 100 lbs $13.50.

Scalecide. Oil preparation for San Jose Scale Gal. 1.25, 5 gals. $4.00, 10 gals. $7.00.

Slug Shot, Hammond's Destroys potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Price 1 lb. carton 15c; 5 lbs. 40c; 25 to 50 lbs. at 5c. per lb.; keg of 125 lbs., net, $6.00; barrel in bulk, 250 lbs., $11.50.

Slug Shot Duster. Each 35c.

Solution of Copper. For trees, vines or vegetables affected with rot, blight or scab. Pint, 35c; quart, 60c. Gal. $1.75.

Sulpho Tobacco Soap. One of the best remedies for green fly on roses. 8 oz. box 20c, by mail 25c, 3 oz. pkg. 10c, by mail 12c.

Thrip Juice. For mealy bug, scale, thrip, codling moth, canker worms, beetles, caterpillars, etc. Per pint 65c.

Tree Tanglefoot. Perfect safeguard for trees against Gypsy, Browntail and Tessock moths, canker worm, cut worm, ants, and other creeping insects. 1 lb. can 30c, 3 lb. can 80c.

Tobacco Stems. For fumigating. 5 lbs. 20c, per 100 lbs. $1.50.

Tobacco Dust. Remedy for aphis, fleas, beetles, etc. Lb. 10c (by mail 25c), 5 lbs 25c, 10 lbs 40c, 100 lbs $3.00.

X. L. All-Liquid Insecticide. English nicotine preparation, harmless, to very delicate plants. Kills mealy bug, red spider and white fly. ½ gal. $2.25. 1 gal. $4.00.

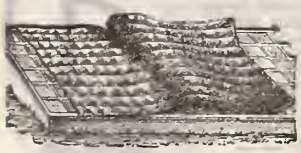
Sulphate of Iron. A remedy for weeds on lawns for which it is claimed that it will kill dandelions without injuring the grass. To be successful, liquid should be applied with a fine spray. Full particulars on application. 5 lbs. 25c, 10 lbs 40c, 25 lbs 75c, 50 lbs $1.25, 100 lbs. $2.25.

Eureka Weed Killer.

A special preparation which dissolves in water. Will destroy all weeds, moss, etc. on gravel walks, carriage drives, etc., and keeps them under control the whole season.

All who have used this preparation praise it highly. Large size tin, enough for three square yards of path. $1.00; 12 lb. tin $3.00.

HOT BED MATS



Burlap Mats, lined, waste wool and cotton quilted Size A, 40x76 in., $1.10 each; per dozen, $11.00. Size B, 76x76 in., $1.50 each; per dozen $15.00.

Duck Mats. Same as above, with water-proofed duck on one side to shed rain. Size C, 40x76 inches, $1.50 each; per dozen, $16.00, Size D, 76x76 inches, $2.00 each; per dozen, $21.50.

Rattan Mats (Singapore Fibre). Mouse and rot proof, being made of flexible cane fibre, firmly put together. One of the best and most durable mats on market, 6 ft. 2 in. long by 6 ft. wide. Each, $2.50; dozen, $27.00.

Straw Mats. Rye straw, 3x6 ft., each $1.25; dozen $14.00, Same mat, 6x6 ft., each $2.25; dozen $25.00.

WATER BARREL TRUCK

Can be used for a variety of purposes, barrel can be easily attached or detached from the truck by simply raising or lowering the handles.

Water Barrel and Truck with 2½ inch tires..... $13.50

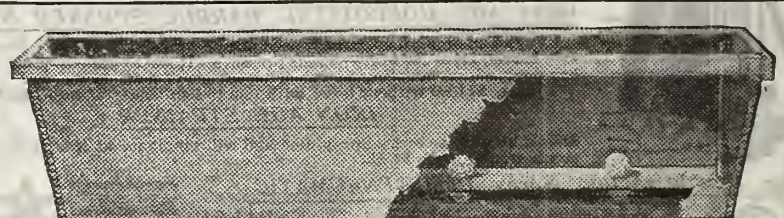
Truck only, without barrel but with one pair trunnions $9.00

Sprinkler attachment for barrel..... 4.00

HAND CART BOX

Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23½ inches; depth, 8 inches. Hand Cart Box with truck, 2½ in. tires, $13.50; without cart, $4.00.

"ILLINOIS" SELF-WATERING FLOWER BOXES AND BASKETS



HANGING BASKETS

Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist. "Never leak a drop"; may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in.	8 in.	$1.00	12	8 in.	12 in.	$1.50
10	7 in.	8 in.	1.25	14	9 in.	12 in.	1.75

WINDOW BOXES

Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant leaves the soil in a loose condition, always moist, ideal for plant growth.

8-in. deep, 10-in. wide.

No.	Length	Price	No.	Length	Price
0	16 in.	$1.00	6	33 in.	$2.35
1	23 in.	1.60	7	35 in.	2.50
2	25 in.	1.75	8	37 in.	2.65
3	27 in.	1.90	9	39 in.	2.80
4	29 in.	2.05	10	41 in.	3.00
5	31 in.	2.20			

Porch Boxes Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like the old wooden boxes, and only require watering every 10 days.

9 in. deep, 12 in. wide.

No.	Length	Price
21	37 in.	$3.00
22	41 in.	3.40
23	45 in.	3.75

8 in. deep, 12 in. wide.

No.	Length	Price
24	49 in.	$4.00
25	53 in.	4.25

VAUGHAN'S GARDEN TOOLS AND REQUISITES

ASPARAGUS BUNCHER. (Fig. 23.) Each, **$2.00.**

BASKETS—Wire Hanging.—(Fig. 11.) Each, 6-in., **10c;** 8-in., **15c;** 10-in., **20c;** 12-in., **25c.**

Rustic Hanging.—Diameter bowl, 9-in., **85c;** 11-in., **$1.40;** 12-in., **$1.50;** 14-in., **$1.75.**

Earthenware Hanging.—Terra Cotta. (Fig. 6.) Saucer attached without hanging wire.

	Each	Doz.		Each	Doz.
7 in.	$0.15	$1.50	8 in.	$0.25	$2.25
9 in.	.30	3.00	10 in.	.40	4.00
12 in.				.50	4.75

BOXES—Cut Flower.—Vaughan's "Green" Grade. Green lined, moisture-proof board. Very popular.

Size in inches	Weight per 100	Per 100	Size in inches	Weight per 100	Per 100
3 x16x4	33 lb.	$3.25	3½x21x7	65 lb.	$4.50
3 x18x5	40 lb.	3.25	3½x30x5	75 lb.	4.75
3 x21x5	45 lb.	3.50	4 x24x8	85 lb.	5.25
3½x24x5	60 lb.	4.25	5 x28x8	105 lb.	6.75
3½x18x6	55 lb.	4.00	5 x36x8	135 lb.	9.50

CARNATION SUPPORTS. (Fig. 18.) Model; wire, 2 rings. Doz., **75c;** 100, **$5.00.**

DANDELION PULLER.—The Vaughan. (Fig. 15.) Made of best steel, after an English pattern; 13½ in. long, weight 10 oz. Each, **50c.**

DANDELION KILLER IDEAL.—A tube 1½ in. diameter, 30 in. long, holds one quart gasoline, which is dropped into the heart of dandelion Each, **$1.00.**

DIBBER. (Fig. 21.) For transplanting vegetable plants; steel point. Each, **30c;** postpaid, **40c.**

DUSTER.—Lowell. (Fig. 12.) Each, **75c.**

LITTLE GIANT DUSTER.—The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Dusts two rows at once. Price, **$5.50.**

AMERICAN POWDER BELLOWS.—Used for dusting plants with sulphur or like material. Three sizes. Each, **$1.00; $1.15** and **$1.25.**

FORK.—Digging or spading 4 tines. Each, **85c.**

FUMIGATORS.—Eureka. (Fig. 19.)

No.	
1 Eureka, Galvanized, holds	½ pk. of stems... $1.50
2 Eureka, Galvanized, holds	1 pk. of stems... 2.00
3 Eureka, Galvanized, holds	½ bu. of stems... 2.75
4 Eureka, Galvanized, holds	¾ bu. of stems... 3.50

GARDEN LINE REEL.—(Fig. 2.) Each, **60c.**

GARDEN LINE.—(Fig. 9.) Each heavy braided. Per 100 feet, **50c;** by mail, **60c.**

GLAZING MATERIAL

GLASS CUTTER AND GLAZING TOOL. Each, **10c.**

GLASS CUTTER DIAMOND. Each, **$4.50.**

GLAZING POINTS.—Vaughan's Perfection. No rights or lefts; No. 2, small single thick glass; No. 1, large, single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1,000, **70c;** by mail, **85c.**

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., **50c.**

MASTICA.—For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, **$1.35.**

MASTICA MACHINE. (Fig. 20.) For applying above. Each, **$1.25.**

TWEMLOW'S OLD ENGLISH GLAZING PUTTY.—Semi-liquid. Same as Mastica. Per gallon, **$1.85.**

SCOLLAY'S PUTTY BULB. Useful tool with a tube for applying liquid putty in glazing greenhouses. Each. **90c.**

GLOVES.—Gardener's. (Fig. 3.) Heavy Goatskin. Per pair, **$1.00.**

GRASS HOOKS or Sickles.—(Fig 4.) **English.** Riveted backs, each, **50c.**

German.—Best cheap Sickle; much used by cemeteries and parks, where tools get hard usage. Each, **30c.**

GRAFTING WAX.—Per ¼ bar, **12c;** ½ lb. bar, **20c;** 1 lb. bar, **35c.**

HOE.—Draw or Field. Socket handle. Each, **50c.**

Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, **50c;** 6½-inch cut and 6 teeth, **60c.**

English Scuffle or Push. (Fig. 22.) 6-inch, **55c;** 8-in., **65c;** 10-in., **75c.**

Prong Hoe or Potato Hook. Four tines, **65c.**

Warren. Best Garden Hoe made. Each, **85c.**

KNIVES.—Asparagus. Straight Cut. (Fig. 13.) Each, **45c;** by mail, **50c.**

Asparagus. Concave. (Fig. 17.) Each, **50c;** by mail, **55c.**

Budding. (Fig. 26.) Ivory handle. Each, **$1.25.** by mail, **$1.30.**

Budding. Black handle ivory tip, strong. Each, **90c;** by mail, **95c.**

Propagating. Ivory handle. Each, **$1.25;** by mail, **$1.30.**

Propagating. (Fig. 16.) "The Vaughan," best of all. Each, **75c;** by mail, **80c.**

Budding and Propagating. (Fig. 25.) 2 blades ivory handle. Each, **$1.25;** by mail, **$1.35.**

Pruning. (Fig. 14.) Stag handle, English. Each, **$1.25;** by mail, **$1.30.**

German Pruning. Two blades, **$1.25.**

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, **30c;** 3 for **75c.**

LABELS.—Aluminum Tree Labels. (Fig. 10.) Wired 3¾ inches long by 1 inch wide. Price per doz., **30c;** 100, **$2.00;** 1,000, **$18.00.**

Wooden. For pots, painted.

	100	1000		100	1000
4 in.	$0.15	$1.00	6 in.	$0.25	$1.75
5 in.	.20	1.50	12 in.	.75	6.50
Tree, Copper Wired 3½ in.				.20	1.50

COPPER.—Indestructible. Small, **20c** doz.; 100, **$1.25;** large, **25c** doz.; 100 for **$1.50.**

CYPRESS.—For use outside, will last for years, 16x1¼ in. Doz., **35c;** 100 for **$2.25;** 18x3¾ in., doz., **45c;** 100 for **$2.50.**

IRON AGE.—Galvanized iron. The reading is protected by a sheet of mica. Each, **20c;** doz., **$2.00;** 100 for, **$15.00.**

LEAF MOLD.—For potting ferns and like plants. Bbl., **$2.50.**

CARBOLENIUM PAINT.—Used on labels will preserve them for years. quart, **25c;** gallon, **$1.25.**

MOLE TRAPS.—Out O'Sight. (Fig. 1.) One of the best mole and gopher traps. Each, **85c.**

PEAT.—For potting orchids, etc. Pe bbl., **$2.50.**

PEAT MUCK.—For potting Azaleas. Per bbl. **$2.00.**

PENCILS.—Indelible. With tip. For marking labels. Each, **15c;** doz., postpaid, **$1.50.**

PLANT BED CLOTH.—For Flower Beds, cheap substitute for glass, answering many uses equally well, 20 to 50 yds., medium, per yd., **12c;** heavy, **20c;** 50 to 100 yds. medium, per yd., **11c;** heavy. **18c;** not less than 20 yds. of a kind sold.

POTS, SAUCERS, PANS

RED FLOWER POTS.—(Fig.5.) We pack these carefully but will not be responsible for breakage in transit.

	Doz.	100	1000		Doz.	100	1000
2 in.	$0.12	$0.65	$5.50	6 in.	$0.65	$4.00	$38.00
2½ in.	.15	0.85	7.00	7 in.	1.00	7.00	
3 in.	.20	1.25	10.00	8 in.	1.40	10.00	
4 in.	.35	1.75	15.00	10 in.		each	.25
5 in.	.45	3.50	25.00	12 in.		each	.40

SAUCERS, FIBRE, waterproof and unbreakable.

	Doz.	100		Doz.	100
4 in.	$1.40	$10.30	8 in.	$2.00	$14.50
5 in.	1.60	12.00	9 in.	2.10	16.00
6 in.	$1.75	$12.50	10 in. each	$ .25	doz. 2.35
7 in.	1.90	13.50	12 in. "	.30	" 2.65

FERN PANS RED—

	Each	Doz.		Each	Doz.
6 in.	$0.07	$0.75	9 in.	$0.15	$1.50
7 in.	.10	1.00	10 in.	.25	2.00
8 in.	.12	1.25			

AZALEA PANS RED—

	Each	Doz.		Each	Doz.
5 in.	$0.05	$0.50	9 in.	$0.25	$2.50
6 in.	.07	.75	10 in.	.35	3.50
7 in.	.12	1.25	12 in.	.50	
8 in.	.15	1.50			

NEPONSET PAPER.—(Fig. 7.) Made of waterproof paper and are light, clean and unbreakable.

	Per 100	1000		Per 100	1000
2¼ in.	$0.35	$3.00	4 in.	$0.95	$8.25
2½ in.	.40	3.50	5 in.	1.30	12.00
3 in.	.60	5.00	6 in.	1.85	16.50
3½ in.	.75	6.25			

POT HANGER.—Kramer's. (Fig. 24.) Converting flower pots into hanging baskets. Price, each, **15c;** doz., postpaid, **$1.35.**

POWDER GUN.—Jumbo. (Fig. 8.) Each, **30c.** small size, **15c;** by mail, **20c.**

RAKES.—Steel Bow Garden. Best, does not break in center; 12 teeth, **60c;** 14 teeth, **75c;** 16 teeth, **90c.**

Garden. 12 teeth, **50c;** 14 teeth, **60c;** 16 teeth, **75c.**

Lawn. (See page 150).

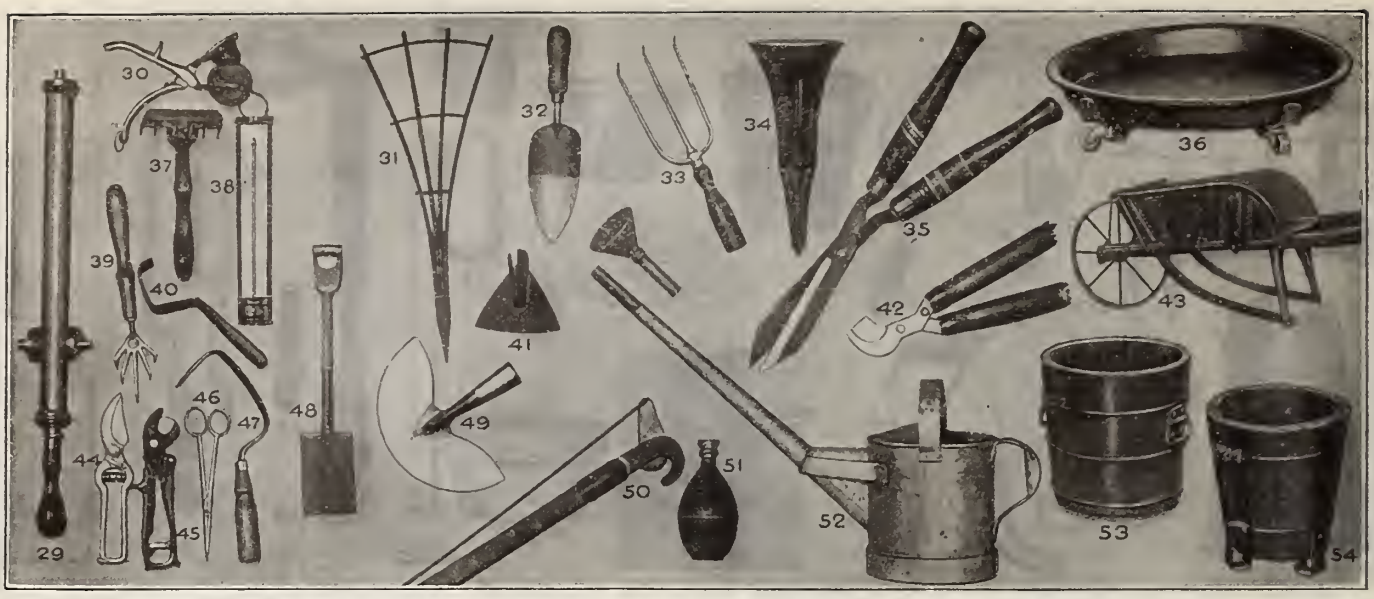
SASH, HOTBED.—(Fig. 28.) Unglazed, 3x6 ft., for 3 rows, 10-inch single glass, each, **$1.50;** 3 for **$4.40;** doz., **$17.50.** Glazed, each **$3.50;** 3 for **$10.40;** doz., **$41.00.**

For 38 in. x6 ft., for 4 rows, 8-inch single glass, unglazed each, **$1.60;** 3 for **$4.75;** doz., **$18.50.** Glazed, each **$3.60;** 3 for **$10.70,** doz. **$41.80.**

Double Glass Sash, 3x6 ft., for 3 rows 10 in. glass, unglazed, each **$2.35;** 3 for **$6.95;** doz. **$27.75.** Glazed, each **$5.25;** 3 for **$15.65;** doz. **$61.50.**

For 38 in. x6 ft., for 4 rows 8 in. glass, unglazed, each **$2.45;** 3 for **$7.35;** doz. **$28.95.** Glazed each **$5.35;** 3 for **$15.95;** doz. **$62.50.**

Our sash are made of clear kiln-dried Cypress Unglazed sash are not painted. Glazed sash are painted one coat.



VAUGHAN'S GARDEN TOOLS AND REQUSITIES.—*Continued.*

SAWS—Double Edge Pruning. Holes in handle for attaching to a pole; 16-inch, 85c; 18-inch, $1.00; 20-inch, $1.10.

Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. Each, $1.75; extra blades, 25c.

SCISSORS.—Grape Thinning. (Fig. 46.) Each, 60c.

SHEARS.—Hedge. (Fig. 35.) Best imported English.

8-inch, $1.25; with notch.....$1.40
9-inch, 1.50; with notch..... 1.65
10-inch, 1.75; with notch..... 2.00

Notch at crutch of blades to cut small branches.

German Pruning. (Fig. 44.) 4½-inch, Each, 90c; 5½-in., $1.00; 6½-inch, $1.10; 7½-in., $1.15; 8½-in., $1.35; 9½-in., $1.50. Extra Springs, each, 15c.

California Pruning. Best grade, with double brass springs and one extra blade. Each, $1.65.

Levins Pruning. (Fig. 45.) One of the best pruning shears made. Each, 50c.

Sheep. With thumb guard. For trimming grass on edges and around flower beds, Each, 35c.

Sheep. Best quality steel, 6½-inch blade. $1.25.

Buckeye Pruning. Long handle. Each, $1.50; large size, heavier, $1.75.

Clyde Draw Cut Pruner. (Fig. 42.) Extra strong, long handle, $2.25.

Improved Wire. For cutting annealed wire. Ea, 85c.

SHOVELS.—Ames. D handle, round point. Each, $1.35.

Ames. Long handle, round point. Each, $1.30.

Ames. D handle, square point. Each, $1.30.

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ¾ inch. Each, $1.25.

SOIL.—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Peck, 35c; bushel. $1.00. Barrel, $2.00.

SPADES.—Vaughan's. Special D handle (Fig. 48.) Each, $1.25.

SPRINKLERS.—The Lenox. (Fig. 30.) A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 35c; by mail, 40.

Scollay's Rubber. (Fig. 51.) Indispensable for Floral work. Large, 90c; by mail, $1.00; medium, 75c; by mail, 82c, small, 60c; by mail, 65c.

STAKES.—Green Painted Wood. Very useful for tying plants, shrubs, etc.

Light Weight.

	Per doz.	100		Per doz.	100
1½ ft.	$0.20	$1.00	3½ ft.	$0.60	$4.50
2 ft.	.25	1.75	4 ft.	.75	5.50
2½ ft.	.35	2.70	5 ft.	.85	6.50
3 ft.	.50	3.50			

Heavy Dahlia. 3 ft.....$0.75 $5.50
Heavy Dahlia. 4 ft..... .95 $7.00
Heavy Dahlia. 5 ft..... 1.10 8.50

	Per 100	1000
Cane Stakes. 6 to 8 ft. long.....	$1.00	$7.00
Cane Stakes. 9 to 12 ft. long, extra heavy.....	1.75	14.00
Bamboo Stakes. 4 to 6 ft. long, light Japanese cane.....	.75	6.00

Japanese Green Plant Stakes.	Doz.	100	1000
1½ ft.....	$0.15	$0.50	$4.00
2 ft.....	.20	.70	5.00
3 ft.....	.25	1.00	8.00
4 ft.....	.30	1.10	9.00

GALVANIZED WIRE.

No. 8	Per doz.	100		Per doz.	100
1½ ft....	$0.10	$0.55	3½ ft....	$0.25	$1.00
2 ft....	.15	.60	4 ft....	.30	1.25
2½ ft....	.18	.70	5 ft....	.35	1.60
3 ft....	.20	.85	6 ft....	.45	2.25

STAND, Rolling. (Fig. 36.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, 75c; 14-inch, 85c; 16-inch, $1.10; 18-inch, $1.20; 20-inch, $1.50; 22-inch, $1.70.

SYRINGES.—Brass. No, 0, 12½-inch spray for small greenhouses or windows, $2.00.

No. 5. Greenhouse Syringe, 18-inch barrel, $6.00.

English. (Fig. 29.) Brass, No. 11, 18-inch barrel, with two different sprays and one stream, $4.00.

THERMOMETERS. These cannot be sent by mail.

Tin Case. (Fig. 38.) 8 inch 20c; 6 for $1.50.

Cabinet. Wood case, 50c; 3 for $1.35.

Imported German. All glass, very accurate for propagating and hot beds, 30c.

Hot Bed. Brass point, wooden frame, $2.00.

Self Registering. With magnet to set it, 8-inch, each, $3.00; registers highest and lowest temperature. Minimum for registering cold. $1.75.

THISTLE CUTTERS. Narrow blade for removing thistles or weeds from lawns. With foot rest, 60c

TOMATO SUPPORTS. Made of heavy galvanized wire, will last for years.
F. O. B, New York. Each, 20c; doz., $1.75.
F. O, B. Chicago. Each, 25c; doz., $2.00.

TRELLIS, WOOD. Fan Shape. (Fig. 31) 18-inch, 15c; 3 for 40c; 24-inch, 25c; 3 for 60c; 30-inch, 30c; 3 for $75c; 36-inch, 50c; 3 for $1.25; 3½ feet, 21 inches wide, 60c; 4-feet, 27 inches wide, 75c; 5-feet, 32 inches wide, 85c; 6-feet, 38 inches wide, $1.00; 7-feet, 42 inches wide, $1.20.

Veranda. 18-inch wide; 5 feet, $1.00; 6 feet, $1.00; 7 feet, $.25; 8 feet, $1.50; 9 feet, $1.65; 10 feet, $1.80.

TROWELS.—Vaughan's Steel. (Fig. 32:) One solid piece of steel and will outwear all others. Each, 50c; 3 for $1.40. Postpaid, each, 60c.

Ordinary Garden. 6-inch, each, 12c; prepaid, 20c.

English Steel. 6-inch, each, 25c; prepaid, 35c.

Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being narrow and deeply curved. 7-inch, 25c; postpaid, 35c.

TREE PRUNERS.—Waters. (Fig. 50.) Length of pole, 4 feet, 60c; 6 feet, 75c; 8 feet, 90c; 10 feet, $1.00; 12 feet, $1.10.

Extra Knives. Each, 20c.

TREE SCRAPER. (Fig, 41.) With handle. Ea. 75c.

FLOWER TUBS.—Columbian. (Fig. 54.) Made of the best pine lumber. Has twelve staves in tapered shape held together by two steel wires. Natural varnish finish. Measurements are outside of tub. F. O. B. Chicago only.

11 by 11½ inches.....Each, $1.00; 4 for $3.80
14 by 14½ iuches.....Each, 1.50; 4 for 5.60
17 by 16½ inches.....Each, 2.00; 4 for 7.50
19 by 19¾ inches.....Each, 2.50; 4 for 9.40
26¾ by 22½ inches.....Each, 3.00; 4 for 11.00

Union Cypress. (Fig. 53.) These tubs are made of ⅞-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.			Each.	4 for
1 - 11½ in. diam.,	11½ in. high		$1.00	$3.60
2—13½ in. diam.,	12 in. high		1.25	4.50
3—14 in. diam.,	14 in. high		1.65	6.00
4—16 in. diam.,	15 in. high		2.00	7.50
5—19 in. diam.,	18 in. high		3.00	11.00
6—22 in. diam.,	19½ in. high		3.75	13.00

TURF EDGER.—American. (Fig. 49.) Each, 60c
English. Imported steel blade, only $1.00.

VASE.—Clara Cemetery. (Fig. 34.) Glass, 12 in. sharp pointed, 50c.

Fiber. For cut-Flowers. Unbreakable.

9 inches deep, 4½ inches diam.....Each, $0.50
10 inches deep, 5½ inches diam.....Each, .55
13 inches deep, 8 inches diam.....Each, .65
18 inches deep, 5½ inches diam.....Each, .75

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, $1.75; 6 quart, $2.00; 8 quart, $2.25; 10 quart, $2.50; 12 quart, $2.75.

French Style. Oval, otherwise same make as above; 6 quart, $2.25; 8 quart, $2.50; 10 quart, $2.75; 12 quart, $3.00.

WEEDERS.—Combined, (Fig, 37,) Each, 25c.

Eureka. (Fig. 33.) Best hand weeder for loosening soil around plants. Short handled. 25.; long handled, 35c.

B's Weed Extractor. Price, 60c.

Excelsior. (Fig. 39.) Each, 10c.

Lang's. (Fig. 40.) We find this by actual trial a real labor saver. each, 20c; postpaid, 25c.

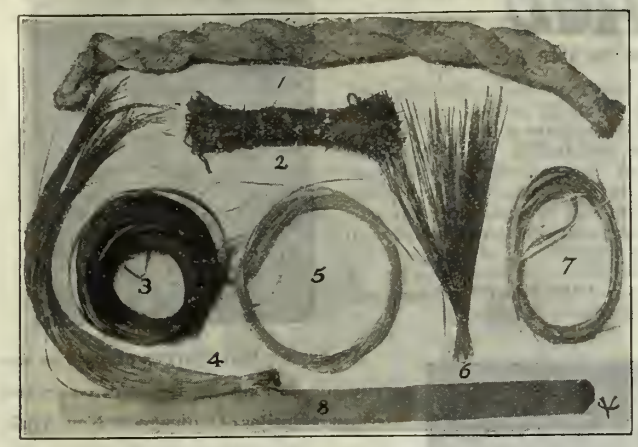
Hazeltine. (Fig. 47.) Each, 20c.

Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed can be used as a hoe. Each, 30c.

Piqua. Price, $1.00.

WHEELBARROWS.—Globe Garden. (Fig. 43.) Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price, with steel wheel, $4.50.

Vaughan Greenhouse. We had numerous calla for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, ea., $5.00.



MATERIALS FOR BASKET MAKING.

1—Raffia Braid; 2—Raffia Colored; 3—Indian Splint; 4—Sweet Grass; 5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

RAFFIA FIBRE for BASKETS, Etc

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, bunch (about 3 ozs.)..$0.10
Natural, per lb..... .25
Natural, 5 lbs..... 1.00
Colored, bunch (about 2 ozs.)... .10
Colored, per lb..... $0.50
Mixed Colors, bunch (3 ozs.)... .10
Mixed, per lb..... .35
Special White.....2 oz. bunch, 10c, 1 lb. 35c, 5 lbs. 1.25
Needles, for Raffia Work.....per package .10

If to go by parcel post, include postage in remittance.

REEDS (RATTAN)

Since the recent awakening to the importance of basketry Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work. Sample card mailed upon request.

	Bunch	½ Lb.	Lb.
No. 1	$0.10	$0.45	$0.85
No. 2	.10	.35	.65
No. 3	.10	.33	.60
No. 3½	.10	.33	.60
No. 4	.10	.30	.55
No. 5	$0.10	$0.28	$0.50
No. 6	.10	.25	.45
No. 8	.10	.23	.40

By parcel post, postage extra.

FLAT REEDS

No. 6 (¼-inch) .....Bunch 10c, ½ lb. 30c, 1 lb. 50c
No. 8 (¾-inch) .....Bunch 10c, ½ lb. 30c, 1 lb. 50c

INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. As its name implies, it possesses a delightful fragrance.

Oz. ..... $0.10 ½ lb.....$0.60
1 lb.....$1.00

WOOD RIBBON

Imported from Germany. Very thin, 2½ inches wide, and comes in Light Green, Dark Green, Pink, Red, White, Yellow, Purple. Samples on request.

Oz .....$0.12 ¼ lb.....$0.40
1 lb.....$1.25

INDIAN SPLINTS

Made from ash wood by the Indians. Six colors—green, pink, yellow, red, blue, brown, and natural.

¼ inch wide, per roll of 25 yards.....$0.20
½ inch wide, per roll of 25 yards..... .30

PINE NEEDLES

These are from the Georgia Pine. The Needles are about twelve inches long, and are an excellent addition to the Basket-weaving materials.

Ounce .....$0.10 ½ lb.....$0.45
1 lb.....$0.75

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Double and Single Wheel Hoes

IRON AGE

Hill and Drill Seeders

We are Special Chicago Agents for Iron Age Tools.

When you made garden in the old way, you had to be very fond of it, to undertake the drudgery. It is different now—thousands of people are making their own gardens with pleasure and profit in many ways by using **"IRON AGE" Wheel Hoes and Drills. With the Wheel Hoes,** you can get over your garden ten times where you did once before—you can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. **With the Drills,** you can sow in continuous rows, or in hills. You can get more and better crops on the same ground with far less labor and greater satisfaction to yourself. You can get fertilizer attachments with which to dress the rows and force growth. **A woman, boy or girl** can easily operate any **"IRON AGE"** garden tool. They are indispensable in small gardens as well as large.

More than 25 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete adaptable tools—the kind you don't want to part with after you have once used them and know what they will do for you.

Transportation charges prepaid to any railroad stations in the United States within 500 miles of Chicago or New York, on order for "Iron Age" tools, or for seeds and tools amounting to $7.50. (Seeds not prepaid unless so offered on other pages.)

No. 6 Combined Double and Single Wheel Hoe, Hill and Drill Seeder.

Price Complete $12.00

The most practical and complete garden tool on the market—four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each form complete and the equal of any tools on the market made as separate tools for separate purpose. The cut shows No. 6 set up as a seeder—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills with a quick change from one to the other—requires little power to operate it because it is light and easy running—is well constructed on sound principles and will wear well—is easily and simply adjusted.

No. 4 Combined Double and Single Wheel Hoe, and Drill Seeder is like No. 6 except it sows in drills only and has a different plow. **Price $11.00.**

No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder

Price Complete $11.00

A thoroughly practical and complete combination. Will accomplish about all the work of the No. 6, except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 6. In its Seeder form sows either way, in drills or hills. Has strong hollow steel tube frame, the 16 in. wheel and is simply and easily changed and adjusted. When wanted as Hill and Drill Seeder only, order No. 16. **Price, $8.50**

No. 17 Combined Single Wheel Hoe and Drill Seeder is same as No. 15 except that it has no hill-dropping device. **Price $10.00.**

If wanted as Drill Seeder only, order No. 18. **Price, $7.50**

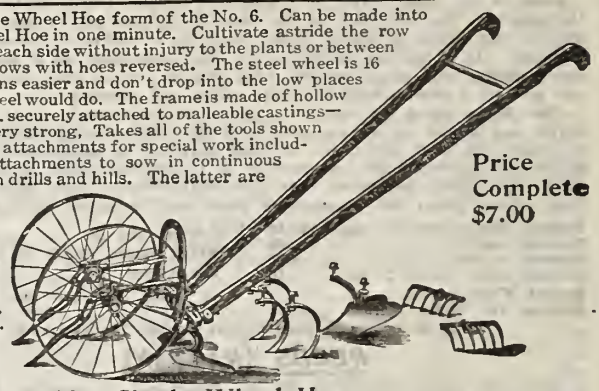
No. 12. Wheel Plow and Cultivator.

Price $3.50

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic, or owner of small garden with little money to invest in tools, or time to spare for anything but straight ahead cultivation.

No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only—a good tool to turn over the soil in the chicken yard. **Price, $2.50.**

No. 1 Combined Double and Single Wheel Hoe.



Price Complete $7.00

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivate astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are $4.00 and $5.00 respectively. If this Wheel Hoe is wanted plain with hoes only, order as No. 3. **Price, $4.25.**

No. 20 Single Wheel Hoe.

Price Complete $6.00

Thn Wheel Hoe form of No. 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. **Price, $4.00.**

No. 25 Fertilizer Distributor and Attachment.

Capacity 4 quarts. Sows across the bottom of the furrow, or on either side or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable. This attachment makes a complete practical tool at small expense.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe. **Price, $4.50**

If wanted complete with frame wheel and handles. **Price, $8.00**

Price, Attachment, $4.50

IRON AGE

Farm and Garden Implements.

Ask for 1914 Booklets. Sent Free

No. 19 C Wheel Cultivator and Plow

Price No. 19 C $3.50

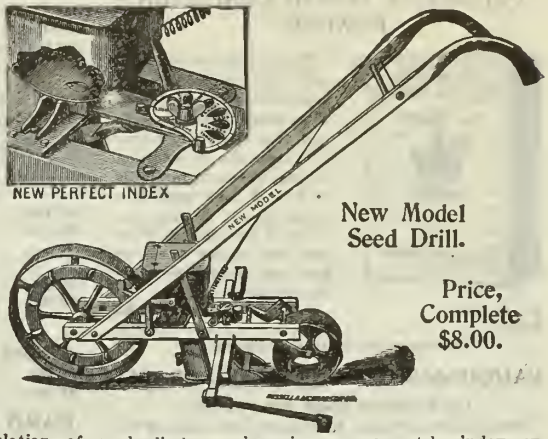
24-inch Wheel Steel Frame; Adjustable Handles.

The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

SPECIAL DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

NEW PERFECT INDEX



New Model Seed Drill.

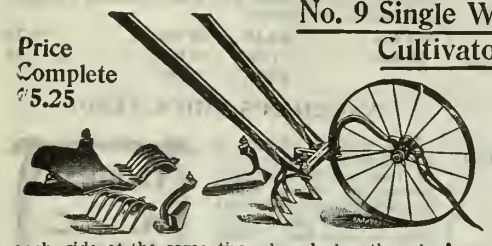
Price, Complete $8.00.

New Model Seed Drill.

Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

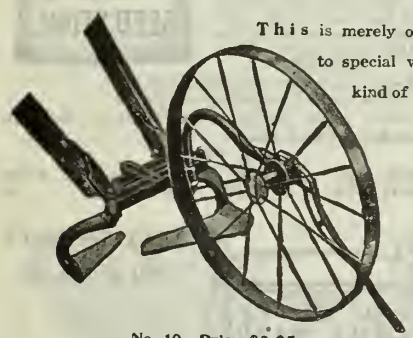
No. 9 Single Wheel Hoe, Cultivator, Plow and Rake.

Price Complete $5.25



For the kitchen, garden and poultry yard — there is use for it during all of the busy months. While it is a single wheel hoe, young plants can be hoed on each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished. If wanted with side hoes only, order No. 10. Price, $3.25.

No. 10 Wheel Hoe—A Good Tool With Which to Work Onions.



No. 10--Price $3.25

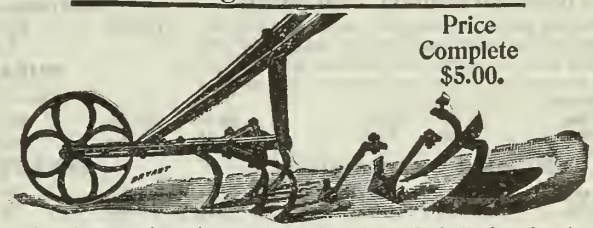
This is merely one form of No. 9, adapted to special work, but may be used in any kind of hoeing. Also note that

No. 18 B Iron Age Drill

Is fitted with special opening Plow, which allows sowing seed for Onions, other than sets, in very narrow rows. This does away with hand weeding, as No. 10 can hoe close without injuring the plants. Price No. 18 B, $7.50.

"Gem" Single Wheel Garden Hoe.

Price Complete $5.00.



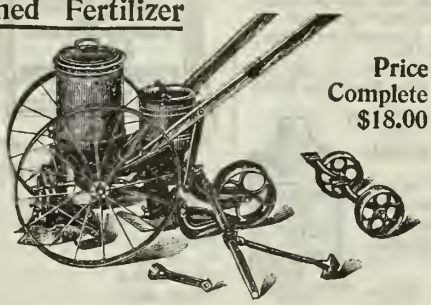
A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

No. 600EL Horse Hoe and Cultivator.

Price Complete $8.60

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price $8,00. or with plain wheel and without lever expander, Price, $7.00.

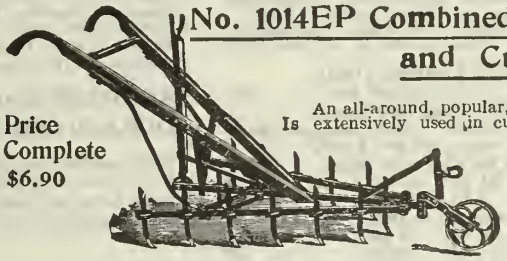
No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder.



Price Complete $18.00

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed — no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

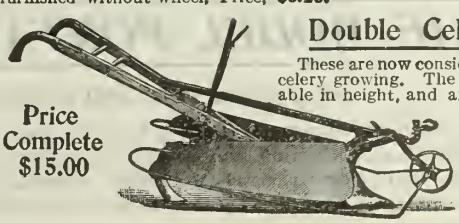
No. 1014EP Combined Harrow and Cultivator.



Price Complete $6.90

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, $6.25.

Double Celery Hiller.



Price Complete $15.00

These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first workings. Fitted with lever wheel, hilling blades, 43 inches long, adjustable in height or width as wanted.

Note: New Line of

IRON AGE BARREL SPRAYERS

is shown on page 148

POULTRY FEEDS AND CONDITION POWDERS

VAUGHAN'S ZENITH CONDITION POWDER.

This stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced, pure and free from any harmful substance. A condition powder given at intervals of 2 or 3 days apart is a great benefit to keep the fowls in the pink of condition and enable them to bear up under the egg-forcing process.

2¼ lb. box.....25c
6 lbs.....50c

Directions for feeding on package.

VAUGHAN'S GROUND BEEF SCRAPS.

Or Prepared Meat for Poultry

This is the finest thing to stimulate hens during the winter. Mix with the daily mash and feed three times a week at the rate of 1 oz. to each fowl.

100 lbs.....$3.50 25 lbs.....$1.15
50 lbs..... 1.90 5 lbs..... 25

VAUGHAN'S MEAT AND BONE.

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, thus furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs.....$3.00 25 lbs.....$1.10
50 lbs..... 1.80 5 lbs..... 25

CRUSHED OYSTER SHELLS.

100 lbs.....$0.85 25 lbs.....$0.25
50 lbs..... .50 5 lbs..... .10

GROUND BONE.

200 lbs.....$5.75 25 lbs.....$0.90
100 lbs..... 3.00 5 lbs..... .25
50 lbs.....$1.75

GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb.....$0.35

CHARCOAL.

Coarse, Ground or Granulated.

100 lbs .....$2.25 10 lbs.....$0.50
50 bs ..... 1.25 1 lb..... .10

HULLED OATS.

100 lbs.....$3.85 25 lbs $1.15
50 lbs..... 2.00 4 lbs..... .25

CRACKED CORN.

Valuable for mixing and feeding with other grains.

100 lbs.....$2.25 25 lbs.....$0.75
50 lbs..... 1.25 5 lbs..... .20

HARD RED WHEAT FOR PIGEONS.

Extra choice recleaned seed.

100 lbs.....$2.75 25 lbs.....$1.60
5 lbs.....25c.

TARES OR VETCHES.

Used extensively for feeding pigeons.

100 lbs.....$5.25 25 lbs.....$1.60
5 lb.....40c

PHEASANT FOOD

Crissel or Prairie Meat.

100 lbs.....$5.75 25 lbs.....$1.65
50 lbs..... 3.00 5 lbs..... .35

SPRATT'S GAME MEAL.

100 lbs.....$6.00 25 lbs.....$1.90
50 lbs..... 3,25 5 lbs..... 40

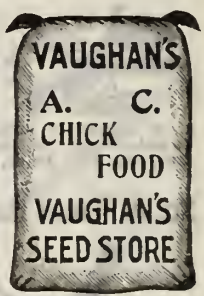
VAUGHAN'S ZENITH HEN FEED

Contains no grit or shell. Every ounce is pure, sound grain. We choose all the grain very carefully and after mixing it an electric apparatus removes the dust. The mixture is scientifically prepared to make it the cleanest feed and best balanced ration. It is ideal for maturing chicks and laying hens.

Because Zenith is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs.....$2.35 25 lbs.....$0.75
50 lbs..... 1.25 10 lbs..... .35
5 lbs.....20c

VAUGHAN'S CHICK FEED.



This contains all that is necessary for chickens until they are four or five months old, except water (or preferable skimmed milk) to drink, and clean fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages.

GRADES.

A—For chicks up to six weeks old.
C—For chicks 6 weeks to 4 months old.

Chicks grow strong and healthy if fed with Vaughan's Chick Feed.

NET PRICES.

100-lb bags.....$2 50 25-lb bags.....$1 00
50-lb bags..... 1 50 5-lb carton..... 25

POULTRY REMEDIES

CONKEY'S LICE LIQUID.

The Mite requires entirely different treatment than the louse. No powder will entirely rid you of the Mite and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. The Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.

Price, 1 qt. can, 35c; ½ gal. 60c: gal. $1.00.

Conkey's Noxicide. Disinfectant, deodorant and germ diastase. Price, 1 pt. 35c; 1 qt. 60c; 2 qt. 90c.

Sandford's Liquid Lice Killer. Successfully exterminates lice. Price 1 qt. 35c; ½ gal. 60c; 1 gal. $1.00.

CONKEY'S LAYING TONIC.

Price, 1½-lb. pkg....25c 3¼-lb. pkg.....50c

PRATT'S POULTRY FOOD.

26-oz. pkgs., each $0.25 5-lb. pkgs., ea.,.$0.50
25-oz. pkgs., per doz. $2.50

ALFALFA CLOVER MEAL.

100 lbs.....$2.25 25 lbs.....$0.75
50 lbs..... 1.25 10 lbs..... .40

YANKEE CORN.

100 lbs.....$2.75 25 lbs.....$0.90
50 lbs..... 1.50 10 lbs..... .45
5 lbs.....25c

VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventive for colds; sore mouth, canker, sore eyes, sore breast, back or shoulders cracked heels, thrush, wounds, sores, saddle galls and roup.

Large Bottle.....$0.50
Small Bottle..... .25

Conkey's Head Lice Ointment. Price, 1 oz. 10c; 3 oz. 25c.

Sandford's Lice Powder. Price, 15 oz. 25c; 48 oz. 50c; 100 oz. $1.00.

Conkey's White Diarrhoea Remedy. Mailing weight, small, 4 oz; large, 7 oz. Price, large box, 50c; small box 25c.

Conkey's Roup Cure. Mailing weight, small, 5 oz; large, 11 oz. Price, 50c and $1.00, postpaid.

Conkey's Poultry Tonic. A general invigorator. Mailing weight, 28 oz. Price, 25c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 25c; 48 oz. 50c; 100 oz. $1.00.

VAUGHAN'S MAGIC LIQUID ROUP AND CHOLERA CURE

Every poultry raiser should have a can, don't wait until the roup appears. It will be found a good preventive if a small quantity is put in drinking water.

1-pint can.....$0.50

BLATCHFORD'S MILK MASH.

Best substitute for milk. Contains dry milk, grains, bone meal, beef scrap, bran, and grit, combined in the right proportion for baby chicks.

8⅓-lb sacks .$0.35
25-lb sacks..... .75
100-lb sacks.... 2.75

BLATCHFORD'S EGG MASH.

Dry milk and ground grains, prepared so as to make a splendid everyday feed, and to stimulate egg production.

8⅓-lb sacks.....$0 30
25-lb sacks..... 75
100-lb sacks..... 2 75

THE MODEL PORTABLE POULTRY HOUSE

AN ORNAMENTAL AND EFFECTIVE HENNERY FOR BACK YARDS

An All-Year-Round Fresh-Egg Plant requiring but little space to properly house a small flock of chickens, with a 50 per cent better egg yield than the free run plant. Roosting quarters and runway commodious. Warm and durable. Easily moved. Made in two sizes.

No. 1. Ground space, 3x12 feet; capacity 10 to 12 fowls, according to breed. Wood. Weight crated, 450 lbs. F. O. B. factory.....**$20.00**

No. 2. Ground space, 3½x16 feet; capacity 15 to 18 fowls, according to breed. Wood. Weight crated, 550 lbs. F. O. B. factory.... **24.00**

VAUGHAN'S POULTRY DEPARTMENT

PRAIRIE STATE INCUBATOR

The improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator. This means a great deal, as even the expert operator is liable to forget his machine.

In building the Improved Sand Tray Prairie State we have covered every possibility that might arise which would work detrimentally to the final result, thus getting the highest number of chicks from the eggs set.

While it is neat and attractive in appearance, the Sand Tray Prairie State Incubator is built to work, rather than to be ornamental. It is made from the most suitable and durable material for the purpose that will insure long life to the machine and a minimum of repairs with economical working conditions, both of oil and time. It is so planned as to be easy of access to all of its parts. The machine is thoroughly insulated to resist all sudden changes of temperature from outside the incubator.

We call particular attention to the following essential features of the machine, many of which are new and exclusive with the Prairie State.

The eddy current or automatic gravity heat distributor secures an even, rapid distribution of pure warm air to all parts of the machine, giving that perfect ventilation so neccessary for the hatching of strong chicks. To further insure an abundance of oxygen, the incubator is built with a larger air space above and below the eggs than any other machine. A new triangular, toggle-joint thermostatic, automatic, heat regulator, with five times the thrust of any thermostat heretofore used, prevents overheating of the egg chamber.

The machine is provided with a warm nursery, so that chicks can be incubated and the nursery used in the very coldest of incubator rooms. A slot on the side gives to the nursery the supplementary ventilation for drying off and hardening the chicks before removing to the brooder.

The sand trays used in the Prairie State supply automatically the amount of moisture which a hen gives and which nature requires for a successful hatch. It provides more than double the quantity of moisture furnished by any other machine, and yet does not produce an excesss of humidity, as the trays, being from 10 to 15 degrees lower temperature than the eggs, cannot saturate the air completely. The variation in the relative humidity in this machine is very slight.

For all-around adaptability, ease of operation, and thorough reliability, the Prairie State Incubator has no equal. To meet the needs of poultry raisers, four different sizes are offered as follows:

No.0.—Diffusion, 100 hen eggs— 87 lbs.net weight; 135 lbs.crated.....$18 00
No.1.—Diffusion, 150 hen eggs—108 lbs.net weight; 160 lbs.crated..... 22 50
No.2.—Diffusion, 240 hen eggs—175 lbs.net weight; 240 lbs.crated.....$32 00
No.3—Diffusion, 390 hen eggs—220 lbs.net weight, 275 lbs.crated..... 38 00

Prairie State "Keystone" Incubator No. K. 0

A reliable, durable, thoroughly practical and satisfactory machine in every way. The case is substantially constructed to withstand all outside atmospheric and temperature change. The hot air heating system gives the very highest efficiency, supplying all parts of the machine with pure warm air while an accurate and sensitive regulator absolutely prevents overheating. Very simple and economical, and a most desirable machine for hatching chicks for one's own use.
Capacity 60 eggs; weight crated 60 lbs.; price.....$9.00

Prairie State "Keystone" Incubator No. K. I.

Similar to No. K.0 machine, but of larger capacity.
Capacity 100 eggs, weight crated 80 lbs; price.....$12 00

PRAIRIE STATE UNIVERSAL HOVERS.

This device is what is used in Prairie State colony brooders. On account of its adaptability to so many varying conditions and the fact that it furnishes the heat needed in all kinds of weather it is valuable to everybody.

The hover can be used in any style of a box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with bottom heat.

Hover with lamp case, smoke conductor, lamp and thermometer.....$7 00
When used indoors alone, lamp case is not required.
Hover and lamp with smoke pipes..... 6 00
With regulator attached $1.00 extra.

PRAIRIE STATE COMBINATION COLONY BROODERS

The proper device for raising is just as necessary as a good machine for hatching. The three styles of the Prairie State Combination Colony Brooders we offer are the best obtainable for the purposes for which they are adapted.

No. 1 Combination Colony Brooder. For outdoor use this machine has no equal. Being carefully built it maintains the desired temperature as well as the best ventilation under all the varying conditions of weather. Zero weather has no ill effects and you can rest assured that your chicks are safe and comfortable either with a rain, hail or snow storm raging outdoors. Large and convenient, it is all one could desire; the sanitary conditions are easily maintained because of the plan of construction. Has two compartments.
Price, Floor Space, 36x72 inches, weigbt crated, 300 lbs.....$20 00

No. 2 Combination Colony Brooder. The sides and floor of this outdoor brooder are made of tongued and grooved chestnut or poplar boards one inch in thickness. The roof of one-half inch boards with dead air space and heavy strawboard insulator, all of wbich is covered with the best quality of roofing tin, carefully fastened with nails and covered with several coats of best grade anti-rust paint. The whole roof being hinged, may be easily removed to reach the interior. Provided with two compartments the same as No.1. Can be used in or outdoors.
Price, Floor space, 30x60 inches, weight crated, 208 lbs.....$16 00

No. 3 Combination Colony Brooder. This brooder is constructed on the same general plan and lines as No.2, but without the partition, and has proven equally satisfactory in practical use either for indoor or outdoor purposes.
Price, Floor space 25x48 inches, weight crated, 150 lbs..... $12 00

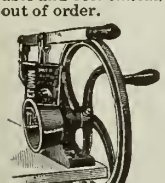
HOUDANS

PRICES OF STOCK for BREEDING Furnished on Application.

POULTRY SUPPLIES.

BONE CUTTERS.

Humphrey's Bone Mill. Open hopper. Four cutting knives. Very reliable machine; simple, durable and economical, easy to clean, and not liable to get out of order.



Crown Bone Cutter

No. 1. Hand Power $12 00
No. 2. Power only..... 13 50
No. 2½ Hand and Power 15 00

Crown Bone Cutter. Machine for 50 to 100 hens.
Weight with stand, 80 lbs $8 00
Without stand, 50 lbs.... 6 50

Wilson Dry Bone Mill.—Grinds grain, stone, etc. Economical, and easily operated. Price, without stand, $5.00; weight. 33 lbs. Price with stand, $7.00; weight 64 lbs. Diameter of hand wheel 22 inches.

Wilson No. 0 Grist Mill will grind any size bones. Without stand, weight, 30 lbs. Price $5.00. With stand, weight, 60 lbs. Price, $7.00.

Humphrey Clover Cutter. Balance wheel makes work easy. Price, $10.00.

Caponizing Sets. Book of Instructions with every set. Philadelphia Caponizing Set, complete, $2.50. Farmer's Caponizing set, complete, $3.00. Special Caponizing set, complete, mailing weight 8 ozs., $4.00.

Success Whitewash and Spray Pump. Price, complete, $4.00.

O-2, Whitewash Sprayer. Compress Air. Price, $6.50.

Spring Lever Poultry Punch. Best punch made. Price, postpaid, 27c.

Leader Adjustable Leg Bands. Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid.

Improved Champion Leg Bands. Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid.

Smith Sealed Leg Bands. Prices, doz., 30c; 25, 50c; 50, $1.00; 100, $1.50.

Sealers. For Smith-sealed Leg Bands, mailing weight 5 ozs. Prices, Plain, 50c; Nickeled, 75c.

Wire Hen Nests. Each, 15c; ½-Doz., 75c; Doz., $1.50.

Porcelain Nest Eggs, 3c each; 2 for 5c, Doz. 25c.

Vaughan's Pigeon and Poultry Fountain.—Price ½ gal, size 50c; 1 gal. size, 75c; 2 gal. size $1.25.

Peerless Hot Water Drinking Fountain. Price, $1.50.

Moe's Top Fill Drinking Fountain. 1 gal., $1.25; 2 gal., $1.75; 4 gal., $2.25.

Prairie State Fountains. Made of galvanized iron. 1-qt., each, 20c; doz., $2.00; 1-gal., each, 35c; doz. $3.25; 2-qt., each, 25c; doz., $2.75; 2-gal., each, 50c; doz., $4.75.

Vaughan's Earthenware Fountain. Prices, 1-quart, each, 20c; doz., $2.25; 2-quart, each, 30c; doz., $3.35; 4-quart, each, 40c; doz., $4.50.

Vaughan's Grit and Shell Box. Three compartments; very economical. Price, 50c; per doz., $5.50.

Wooden Feed or Grit Box. Only one space. Price, 35c.

Hub Chick Feeder. Absolutely sanitary. Price, 9-in. feeder, 35c; 15-in. feeder, 50c.

American Feed Pan or Water Trough. No. 1—Size, 18 inches long, 50c; No. 2—Size, 24 inches long, 75c; No. 3—36 inches long, $1.00.

Reliable Egg Carrier. Compact and durable, A No. 1 Fillers, each, 50c; per doz., $4.25.

Square Style Egg Carrier. Per doz., 15c; 25 for 25c; 50 for 50c; 100 for 85c; 1000 for $8.00.

Vaughan's Exhibition Coop. Price, trio size, $2.25; Pen size, $2.50.

All Wood Shipping Coops. Best on the market.

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	$0 30	$3 25
2	18	18	18	35	3 65
3	12	21	21	35	3 75
4	18	21	21	40	4 50
5	24	21	21	50	5 50
6	30	21	21	55	6 00

PIGEON SUPPLIES.

Jersey Perch. Best on the market. Each 6c; Doz. 65c.

Vaughan's Pigeon Food. Put up as follows:
5-lb. cartons.....$0 25 50-lb. sacks.....$1 50
25-lb. sacks..... 1 00 100-lb. sacks..... 2 50

Foust's Health Grit. An all-around condition powder. 5 lbs., 25c; 25 lbs., 75c; 50 lbs., $1.15; 100 lbs., $2.10.

POULTRY BOOKS.

The American Standard of Perfection. Cloth...$2 00
Farm Poultry Doctor. By Dr. W. N. Sanborn.. 50
Money in Broilers and Squabs. By M. K. Boyer. Best Book Published..... 50
Poultry Craft. By J. H. Robinson. 272 pp..... 2 00
Poultry Account Book..... 50
The Practical Poultry-Keeper. By Lewis Wright. 300 pp. Profusely illustrated..... 2 00
The Bantam Fowl. By T. F. McGrew. Only complete Bantam Book. 60 illustrations.... 50
999 Questions and Answers—On Poultry, Turkeys, Geese and Ducks, Diseases, Eggs, Incubators and Buildings. By Frank Heck..... 50
Reliable Poultry Remedies. Full instructions, 64 pp., 5x6 inches. Price..... 25
The Plymouth Rock—Barred, Buff and White. By experts in breeding..... 1 00
The Wyandottes—Silver, Golden, White, Buff and Partridge. By experts. 160 pp..... 1 00

NOTICE—All poultry orders of $3.00 and over are delivered free within 25 miles of our Chicago store (oyster shells and grit excepted unless accompanied by general order). Outside this limit prices F. O. B. Chicago. This does not apply to wholesale orders, nor goods in cases, sold on special quotations.

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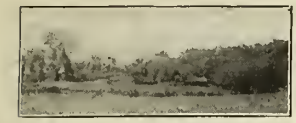
HIDDEN VALUES IN SEEDS



Vaughan Farm at Homewood

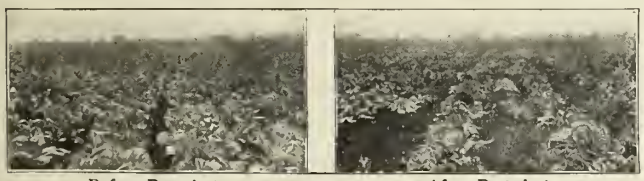
SOME automobile manufacturers boast the hidden values of their cars — values undiscernible to the eye and impossible of laboratory analysis. "Under the hood" is their summary of the situation. In the case of seeds, hidden values far greater in relative proportion, lie dormant beneath the seed coats — values potent and potential, yet not to be reckoned or estimated in the laboratory or without: values to be determined only after expending a season's time and labor growing the seed on to its crop maturity, and then what differences are manifest? The difference between pleasure and disappointment, and for the professional, success and failure.

We give below some details of the hidden qualities in just a few of Vaughan's Special Seeds as we mark them in this catalogue.

Beans are one of the most important items in the seed business. They do well in all climates and on diverse soils, while in money value they are second to none. A seedsman who knows Beans is "some pumpkins." There are nearly a hundred varieties in general cultivation about whose characteristics a Bean Grower should have definite knowledge. From variety trials which we have conducted many years at our Western Springs Trial Grounds, as well as our Central Michigan Farms and from general observation of growing crops we have reduced our Bean list to its present proportions (See other pages in this book) believing these sorts cover the field. Each variety has its peculiar merit — one is early, another late; one has a round pod, another flat; a fifth does better on heavy soils and a sixth on light soil, etc.

Types from nature of a few of Vaughan's Special Beans, our own breeding and growing in Central Michigan

The hidden values in Beans include (1) Uniformity of type, (2) Freedom from disease, (3) High germination percentage. Uniformity of type means that each plant should grow just like all the other ones of the same variety, thus the crop will ripen evenly so that picking and marketing can be done economically in quantity. The product also will be even in appearance, look better and command a better price than when mixed. No two plants are exactly alike, but by careful selection and re-selection in seed breeding their universal variation is controlled and we approximate uniformity to all practical purposes. Our best results have been by so-called line breeding. An original selection is made of several ideal plants of a certain variety; seed from each plant is sown separately and a record kept of the product.



Before Roguing — After Roguing

Danish Cabbage Field, showing how off plants are discarded in selecting seed heads

Then when certain individual plants are found to be more prepotent than others, that is, when their seed produces a more uniform product — these prepotent strains are selected and the variable strains discarded. This continual selection also increases yield and vigor, and yet the seed of such a selected strain looks exactly like seed of the same variety allowed to run wild. We have adopted additional methods to still further increase uniformity, including the operation of our own threshing machine to prevent mechanical mixture, and the most up-to-date special picking and cleaning machinery at our Michigan Warehouse. There is probably no other seed firm which goes to so much expense for picking and cleaning as does Vaughan's Seed Store.

Bacteriologists have determined that many diseases are carried by the seed, thus anthracnose or rust of Beans is important as affecting their hidden value. By re-selection we are trying to breed rust-proof strains, with rather indifferent success as yet. However, since making the important discovery a few years ago that rust did not exist in California, we have been sending on our selected strains to be grown there a season and then returned to us clean. In years when rust has been particularly bad, our strains have yielded 40 per cent higher than the regular stocks. Blight can be partially controlled by treating the seed Beans.

Last but not least in hidden values comes germination, which is easily destroyed by excess moisture. During wet years Beans of the late varieties must be artificially dried. We were five years designing a satisfactory dryer, which would work efficiently and yet not dry the Beans so fast that they would crack. During a wet fall too, a mold often forms on the outside skin coat, which attaches itself to the young Bean germ sprout as soon as the latter breaks through the shell. We use a polishing machine which cleans and shines our Bean seeds as if done by hand. Then each lot is tested separately so we are sure that our seed grows satisfactorily, or it is rejected. Many fine-appearing lots of Bean seed offered for sale grew less than 50 per cent in actual test.

CABBAGE. The hidden value in Cabbage seed is particularly important, as a small amount of seed furnishes plants for a large acreage and uniformity of type is of prime importance in the value of the crop. Cabbage is one of those crops where the soil and climate under which the seed is grown has a marked influence on the future product raised from the seed so produced, and special types must be bred under the different conditions to produce the same type field crop under market growing conditions. Long Island grown seed of certain varieties is generally given front rank, while for other sorts Amagar Island, Denmark, is best. An illustration on this page shows a field of Cabbage grown especially for Vaughan's Seed Store in Denmark. The variety is the Dwarf or Short Stem Danish Ballhead, a Danish grown strain of Dutch Winter or Hollander. The picture on the left shows the field before roguing (the removal of off types) and the other after roguing. Much of the seed raised and sold is from field run plants. No seed has more hidden value than Cabbage.

ONION SEED. The Globe Varieties of Onion Seed are the most important to obtain, true to type. They are the sorts raised for the large onions sold on the market during the fall and winter months. Our Globe Seed is raised near Chicago, under our supervision, by an expert who grows exclusively for us. California Growers, who supply most of the Globe Onion Seed sold in the United States, can raise seed much more cheaply than we, because of more favorable climatic conditions; however, our seed is superior for the following reasons: Our Seed Bulbs are selected from large fields — discarded bulbs being marketable. In California the growers contract certain acreages and take the entire product, planting the vast majority of stock on account of the limited market there for culls. Our Onion Fields are completely isolated from each other. In California one variety, on account of the large acreages, is planted only a few feet away from another. There is always a certain per cent of the off-colored bulbs in such seed. We gather the seed of one color separately and house it separately. California Seed of all colors is harvested at one time and threshed with the same machinery — entire freedom from mechanical mixture is almost impossible. Finally the Onions from our seed possess much better color and shape than do theirs. For some reason California grown seed produces light colored and flat Onions and must be replaced every few years by new stock seed from the East.

Each Flower a Separate Problem

What we have said regarding a few of the vegetable items, applies also to every species of flower, each of which has its peculiar characteristic and seed growing problem. Mixtures are doubtless of largest interest to amateurs. Taking Pansy seed only as an example, we find one mixture dear at 5c per packet and another cheap at 25c.

The same principle is applicable to all the other items which we list—from Bulbs to Shade Trees. Our aim is quality and real values, whether they be evident or hidden.

A Field of Vaughan's Onions

VAUGHAN'S

VAUGHANS PRINCEPS

Largest flower of all, almost circular, the brilliant color and graceful form of spike distinguishes it from all others
PRICE: *Large Bulbs, each 10¢, doz. $1.00 prepaid. By exp. 100, $6.00. Medium Bulbs, 3 for 25¢, doz. 75¢, prepaid. By exp. per 100, $3.50*

AMERICA

A beautiful shell pink. Large flowers produced in profusion on long perfect spikes. The best light pink, Most useful of all for cut flower purposes.
PRICES SAME AS FOR MRS. FRANCIS KING

MRS. FRANCIS KING

The Largest and most effective decorative Gladiolus for all purposes.
PRICES FOR BULBS OF MRS. FRANCIS KING AND AMERICA
Large bulbs each 5¢, doz., 50¢ prepaid Per 100 by exp. $3.00. Medium Bulbs, doz. 35¢ per 100 by exp. $2.50. Third size, all flowering, per 100, by exp. $2.00, 250 for $4.50, 500 for $8.00, 1000 for $15.00

Three Greatest Gladioli

NOW FAMOUS THE WORLD OVER

Mrs. Francis King and Princeps Produced by us

These Bulbs Grown on Our Farm

COVER PAGE MIXTURE *Special Offer*
As illustrated here, price for medium sized Bulbs, all bloomers, including a percentage of Blues, all prepaid, 25 for $1.00, 50 for $1.75, 100 for $3.00

VAUGHAN'S SPECIAL BLUE MIXTURE

Blue, Slate, Lavender and Purple Shades. Each 10¢, 5 for 25¢, doz. 75¢ prepaid Per 100 by exp. $6.00.